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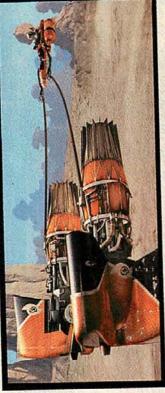
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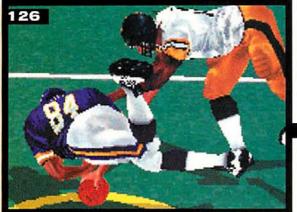
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OCTOBER 1999 • ISSUE 183

### **COVER STORY**

Hands-On Report!

### Command & Conquer: Tiberian Sun

We sent our boys Robert Coffey and Tom Price to Las
Vegas for a choice mission: Play the hell out of COMMAND
& CONQUER: TIBERIAN SUN and give us the skinny on this long-overdue, highly anticipated game.

### FEATURES

### **Tactical Simulations Situation Report**

110

The special-operations shooter exploded onto the gaming world in a big way last year with Tom Clancy's RAINBOW SIX. Now, a brand new wave of spec-ops games are upon us, all promising the ultimate in combat realism. We assembled a team of real-life commandos to check out DELTA FORCE 2, ROGUE SPEAR, SPEC OPS II: GREEN BERETS, and SWAT 3: CLOSE QUARTERS BATTLE and tell us what it's really all about.

### **Football Roundup**

126

It's kickoff time at last for the new NFL season, but George Jones is nowhere near a TV. Why? Because he's been checking out the latest generation of PC football games, and he likes what he sees.

### **PREVIEWS**

### Dark Reign 2

### Theme Park World

Design and ride your own theme park attractions, and then send them to your friends 68

### Prince Of Persia 3D

A much-loved side-scroller returns to the PC in 3D......72

### Soldier Of Fortune

Kill. Reload. Repeat. ......78

### Warlords: Battlecry

WARLORDS in real-time? Yet another omen of the apocalypse......80

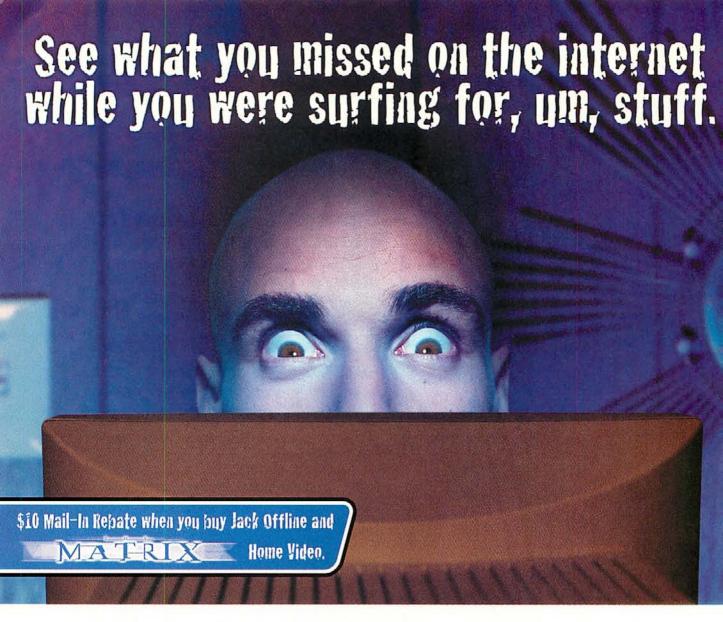
### Asheron's Call

Big Bad Bill Gates wants a piece of that multiplayer RPG pie.

With this tasty morsel of a game, he may just get it. ......82

### Nox

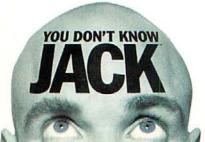
A DIABLO-alike with a strong, original multiplayer angle. ......84



### The best of the Net Show and a whole bunch more.

While you were in some dark corner of the internet, you missed a really good time. YOU DON'T KNOW JACK®— The Net Show is the award-winning online version of the irreverent quiz show party game. We've

taken 800 of the best questions from the Net Show and combined them with 200 more to create YOU DON'T KNOW JACK Offline. It features the same nuclear-powered attitude as always, but with new gags, new graphics and a whole new category of question—the Pissed About A Question Question. JACK fans tell us how we screwed up, and we use their letters to ridicule them in classic JACK style. As usual, nothing is sacred. So the next time you're looking for fun, forget the rubber gloves. Get YOU DON'T KNOW JACK Offline.











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214



### READ. WE

- Jane's A-10 Crashes and Burns
- Quake 3 Update
- No Naked Pictures of Lara in London

Plus News; Pipeline; the Good, the Bad & the Ugly, and more.	
REVIEWS	139
Need For Speed: High Stakes	
Kingpin	
Might And Magic VII: For Blood And Honor	
Dungeon Keeper 2	
Fighting SteelPGA Championship Golf 1999 Edition	
F-16: Aggressor	
Ultimate 8-Ball	
Official Formula 1 Racing	
Micro Reviews	
Atari Arcade Hits 1 • Austin Powers: Operatio Dragoon: The Battles of Frederick the Great • • Man of War II • Pro 18: World Tour Golf • Second Century • Stuka Dive Bomber • Unreato Na Pali • West Front Battle Pack 1	Jeff Gordon XS Racing Railroad Tycoon II: The
HARDWARE	194
CPU Shootout Pentium III vs. Athlon	104
Loyd Case A day in the life of a techo-weenie	200
Killer Rigs	
Tech Medics	204
Hardware Reviews	
Entrega Multifunction USB Hub	
Entrega Multifunction USB HubPlantronics HSL Stereo Headset	206
Entrega Multifunction USB HubPlantronics HSL Stereo Headset Madcatz Panther DX Digital Joystick	206 206
Entrega Multifunction USB Hub Plantronics HSL Stereo Headset Madcatz Panther DX Digital Joystick Turtle Beach Montego II Quadzilla CH Products USB Gamepad	206 206 206 208
Entrega Multifunction USB Hub Plantronics HSL Stereo Headset Madcatz Panther DX Digital Joystick Turtle Beach Montego II Quadzilla	206 206 206 208
Entrega Multifunction USB Hub Plantronics HSL Stereo Headset Madcatz Panther DX Digital Joystick Turtle Beach Montego II Quadzilla CH Products USB Gamepad	
Entrega Multifunction USB Hub	206 206 206 208 ipset 208
Entrega Multifunction USB Hub	206 206 206 208 ipset 208 210 210
Entrega Multifunction USB Hub	206 206 206 208 ipset 208 210 210 214
Entrega Multifunction USB Hub	206 206 206 208 ipset 208 210 210 214 220
Entrega Multifunction USB Hub Plantronics HSL Stereo Headset Madcatz Panther DX Digital Joystick Turtle Beach Montego II Quadzilla CH Products USB Gamepad Asus MEW Motherboard/Intel p810-DC100 ch  GAMER'S EDGE  Might And Magic VII  Everquest How To Draft A Winning Sports Team	206 206 206 208 ipset 208 210 210 214 220
Entrega Multifunction USB Hub Plantronics HSL Stereo Headset Madcatz Panther DX Digital Joystick Turtle Beach Montego II Quadzilla CH Products USB Gamepad Asus MEW Motherboard/Intel p810-DC100 ch  GAMER'S EDGE  Might And Magic VII  Everquest How To Draft A Winning Sports Team	206 206 206 208 ipset 208 210 210 214 220 222
Entrega Multifunction USB Hub Plantronics HSL Stereo Headset Madcatz Panther DX Digital Joystick Turtle Beach Montego II Quadzilla CH Products USB Gamepad Asus MEW Motherboard/Intel p810-DC100 ch  GAMER'S EDGE  Might And Magic VII  Everquest How To Draft A Winning Sports Team CG Tips  INSIDE GAMING  Action Thierry Nguyen  RPG/Adventure Desslock	206 206 206 208 ipset 208 210 210 214 220 222 226 227
Entrega Multifunction USB Hub Plantronics HSL Stereo Headset Madcatz Panther DX Digital Joystick Turtle Beach Montego II Quadzilla CH Products USB Gamepad Asus MEW Motherboard/Intel p810-DC100 ch  GAMER'S EDGE  Might And Magic VII  Everquest How To Draft A Winning Sports Team CG Tips  INSIDE GAWING  Action Thierry Nguyen  RPG/Adventure Desslock  Sports George Jones.	206 206 206 208 ipset 208 210 210 214 220 222 226 227 230
Entrega Multifunction USB Hub Plantronics HSL Stereo Headset Madcatz Panther DX Digital Joystick Turtle Beach Montego II Quadzilla CH Products USB Gamepad Asus MEW Motherboard/Intel p810-DC100 ch  GAMER'S EDGE  Might And Magic VII  Everquest How To Draft A Winning Sports Team CG Tips  INSIDE GAWING  Action Thierry Nguyen  RPG/Adventure Desslock  Sports George Jones.  Strategy Robert Coffey	206 206 208 208 ipset 208  210 210 214 220 222 222 226 227 230 232
Entrega Multifunction USB Hub Plantronics HSL Stereo Headset Madcatz Panther DX Digital Joystick Turtle Beach Montego II Quadzilla CH Products USB Gamepad Asus MEW Motherboard/Intel pB10-DC100 ch  GAWER'S EDGE  Might And Magic VII  Everquest How To Draft A Winning Sports Team CG Tips  INSIDE GAWING  Action Thierry Nguyen RPG/Adventure Desslock Sports George Jones Strategy Robert Coffey Simulations Gordon Berg	206 206 208 208 ipset 208  210 210 214 220 222 222 226 227 230 232
Entrega Multifunction USB Hub Plantronics HSL Stereo Headset Madcatz Panther DX Digital Joystick Turtle Beach Montego II Quadzilla CH Products USB Gamepad Asus MEW Motherboard/Intel p810-DC100 ch  GAMER'S EDGE  Might And Magic VII  Everquest How To Draft A Winning Sports Team CG Tips  INSIDE GAMING  Action Thierry Nguyen  RPG/Adventure Desslock Sports George Jones Strategy Robert Coffey Simulations Gordon Berg	206 206 208 208 ipset 208  210 210 210 214 220 222 222 227 230 232 234
Entrega Multifunction USB Hub Plantronics HSL Stereo Headset Madcatz Panther DX Digital Joystick Turtle Beach Montego II Quadzilla CH Products USB Gamepad Asus MEW Motherboard/Intel p810-DC100 ch  GAMER'S EDGE  Might And Magic VII  Everquest How To Draft A Winning Sports Team CG Tips  INSIDE GAMING  Action Thierry Nguyen  RPG/Adventure Desslock Sports George Jones Strategy Robert Coffey Simulations Gordon Berg  DEPARTMENTS  George Jones What have those fools done to my residence in the state of	206 206 208 208 ipset 208 210 210 210 222 222 226 227 230 232 234 234 234 234 234 206 206 207 236 237
Entrega Multifunction USB Hub Plantronics HSL Stereo Headset Madcatz Panther DX Digital Joystick Turtle Beach Montego II Quadzilla CH Products USB Gamepad Asus MEW Motherboard/Intel pB10-DC100 ch  GAWER'S EDGE  Might And Magic VII  Everquest How To Draft A Winning Sports Team CG Tips  INSIDE GAWING  Action Thierry Nguyen RPG/Adventure Desslock Sports George Jones Strategy Robert Coffey Simulations Gordon Berg  DEPARTMENTS  George Jones What have those fools done to my r CGWs new look revealed.	206 206 208 ipset 208 ipset 210 210 214 220 222 226 227 230 232 234 234
Entrega Multifunction USB Hub Plantronics HSL Stereo Headset Madcatz Panther DX Digital Joystick Turtle Beach Montego II Quadzilla CH Products USB Gamepad Asus MEW Motherboard/Intel p810-DC100 ch  GAMER'S EDGE  Might And Magic VII  Everquest How To Draft A Winning Sports Team CG Tips  INSIDE GAMING  Action Thierry Nguyen  RPG/Adventure Desslock Sports George Jones Strategy Robert Coffey Simulations Gordon Berg  DEPARTMENTS  George Jones What have those fools done to my residence in the state of	206 206 208 ipset 208 ipset 210 210 214 220 222 226 227 230 232 234 234 236 26

Greenspeak Jeff barely earns his paycheck, yet again.....242

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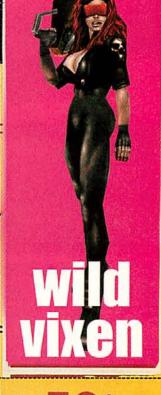


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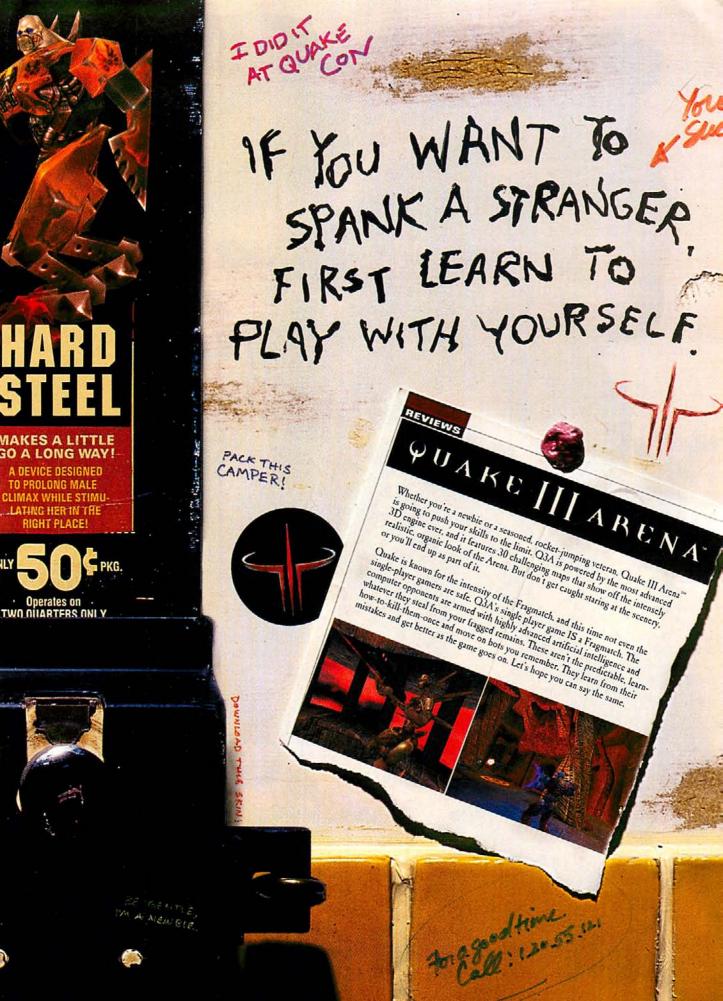
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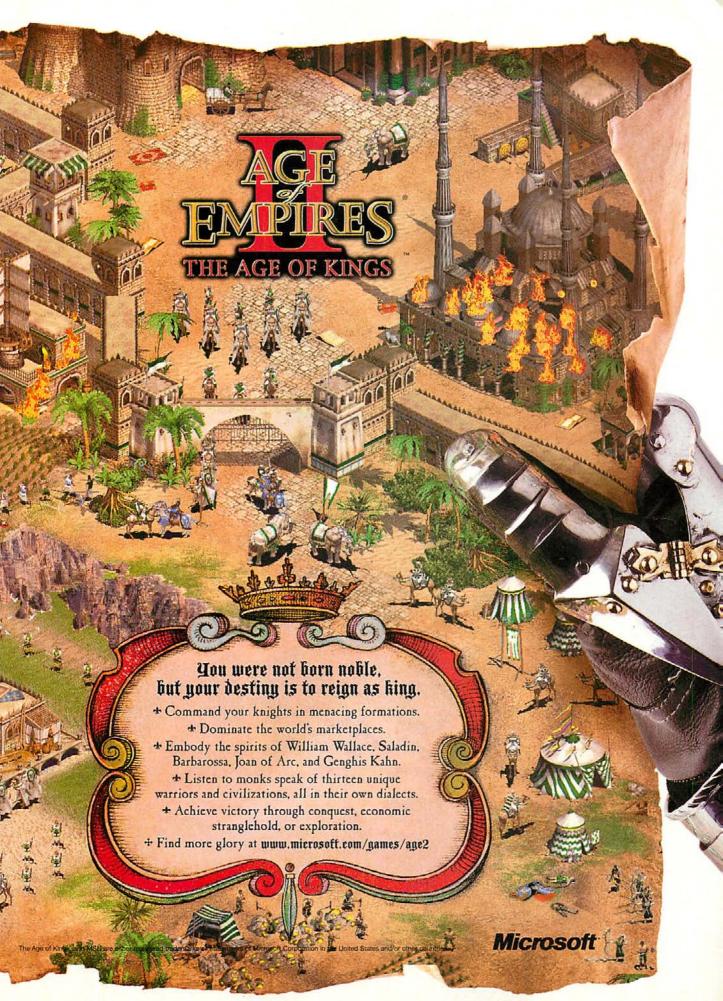
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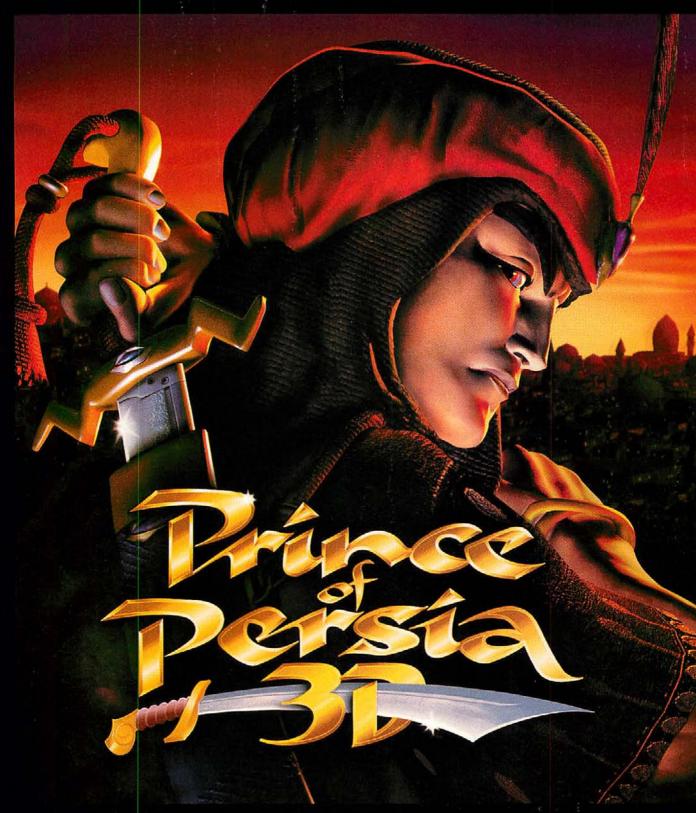








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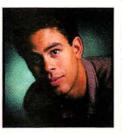
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RUSSELL SIPE

### **Computer Gaming World 6.0**

our months ago, the combined editorial might of Computer Gaming World-which, when properly harnessed, has been known to make small children spontaneously burst into tears-locked themselves into a windowless conference room in the basement of the local Hyatt to talk about The Future. We came up with about 363 different ways to improve the look of the magazine. We laughed, we cried, we held hands, and we talked-a lotabout our hopes for a dreamy-looking CGW 6.0. And then we turned it all over to Art Director Steve Wanczyk, and waited anxiously to see the results.



Steve, to his credit, considered all of our ideas...and then threw them out. You know why? Because editors have no aesthetic sense whatsoever. How are a group of guys who have the collective artistic mind of an almond going to make a magazine look better? To us editortypes, the most beautiful-looking story in the world is text with a stamp-sized screenshot. No, if Steve had listened to us, the new and improved version of Computer Gaming World

..editors have no aesthetic sense whatsoever. How are a group of guys who have the collective artistic mind of an almond going to make a magazine look better?

> magazine you now have in your hands would be neither new, nor improved.

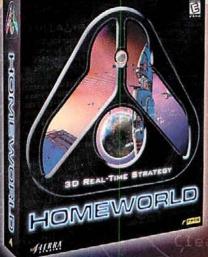
To Steve's credit, he has been extremely patient. When we talked about things like "white space" and "gutters"words editors use when we have no idea what we're talking about-he shrugged his shoulders, smirked, and went back into his office. In fact, with the exception of that one time when he crushed Editorial Assistant Tom Price's head between the elevator doors, it was smooth sailing.

For all the appealing aesthetic changes inside, our core mission is not changing one iota. In fact, with the addition of our Inside Gaming section, which offers opinions and analysis on all the major game genres, I hope you agree with me when I say that CGW is now even closer to our goal of being the ultimate, definitive word on PC gaming.

Want to comment on the redesign? Interested in writing for CGW? Let George know at george\_jones@zd.com. CGT

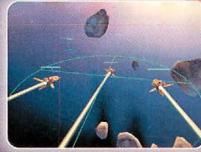
Jeorge

## WOF REAL-TIME STRATEGY A STATE OF THE PARTY OF THE PAR





Harvest resources from the depths of space, or try to sal-vage the wreckage of derelict and enemy vessels to add to your might.



Choose from multiple formations and attack tactics as you send your Armada into battle. Understanding the strengths—and weaknesses— of each ship class is critical to crushing marauders in your path.

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### YOUR PAST IS A LIE, YOUR FUTURE IS IN JEOPARDY, AND YOU'RE 35,000 LIGHT YEARS FROM HOME.



Kharak, a barren wasteland orbitting an insignificant star, has been our home for ages. It is a planet as old as our memory.

But recent genetic research suggests that we are different from all other forms of life on Kharak. Then came the discovery: an ancient tablet long hidden in the Great Banded Desert, buried within the wreckage of a half-

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This ancient rune set our civilization on a path leading straight into the heart of the galaxy. Construction began 60 years ago on the giant Mothership that will carry thousands of our race into the unknown. In the depth of space, our enemies await our return.

The journey begins now...



Prepare to adjust your strategy as you navigate your Armada through an infinite 3D battlefield where the enemy can attack from any point in space.



Unparalleled ship detail and intense artificial intelligence bring each dogfight to life, as turrets track their targets independently and pilots adjust their flight tactics mid-battle.



A range of vessels — from the offensive might of the Heavy Cruiser to the stealth technology of the Cloak Generator — is at your disposal as you journey to the heart of the galaxy.

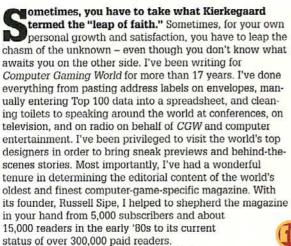




### **JOHNNY WILSON**

### **Count Geiger's Blues**

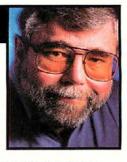
It's About Time, Johnny Wilson!



In the process, I saw the PC game industry move from square, blocky images of light on a black, amber or green screen to its current spectral panoply of color depth. I saw PC game marketing move from the days when Mom-and-Pop computer stores carried game disks and monochrome manuals in ziplock bags to the period where you can buy games in discount superstores. I saw the market broaden from predominantly wargamers and role-players to a variety where there is something for everyone.

ew people laugh anymore when I talk about computer gaming becoming a mass market entertainment experience. Even though we've been through Round One and Round Two of the so-called media convergence, I think there are more rounds to go, and I don't see as many eyes glazing over when I talk about the connected household of the future. We're headed for exciting times in online gaming, and I'm opting to become part of it. I'm stepping into a new position where I can serve on the boards of directors of companies who are making these exciting games, and I'm hoping that I can feel as much like a pioneer in the next generation of gaming as I felt like in the last.

So, I'm leaving *CGW*, and I wanted to say a few words to all of you, including those of you who feel that I've cast aspersions on your favorite gaming genres, publishers, or designers, and those of you who felt that I was cramming an unwanted dose of pretentious, pedantic castor oil down your throats. To everyone who remembers my blunders or thinks I pontificated too much in these pages, I'd just like to say the following. There have been many times when I was chastened by my own myopia and naivete, even as I admonished designers, executives and readers for their own lack of vision and understanding. A lot of people over the years have believed that I was arrogant and out of



touch. I can only say that I worked very hard to stay in touch with this industry and I *never* believed that I knew *enough* about it. I will still be learning about this industry until the doctor fills out the death certificate. I really do care. Perhaps, I care too much.

I started writing for *CGW* as a gamer first and a writer second. I'll leave *CGW* as a gamer. When I first met many designers, executives, and technicians in this industry, it was as a fan. I wrote about these people because they fascinated me, and I wanted to share them with all of you. I'll continue to be a fan. I wrote my sometimes pompous editorials because I'm a true believer in interactive entertainment, and I wanted to do what I could to make it better. Even as I leave the best pulpit in computer gamedom, I leave as a true believer.

I recently read a marvelous science-fiction novel by

I was chastened by my own myopia and naivete, even as I admonished designers, executives and readers for their own lack of vision and understanding.

Michael Bishop. Count Geiger's Blues is the story of a critic who becomes a hero, someone who becomes a doer instead of a commentator. At one point, the critic writes his farewell column to his readers. My eyes and throat went through the kind of emotional calisthenics that might cause onlookers to doubt my manliness. I determined that when I wrote my farewell column to you, I would use a portion of it. How I resonate with the sentiment expressed here!

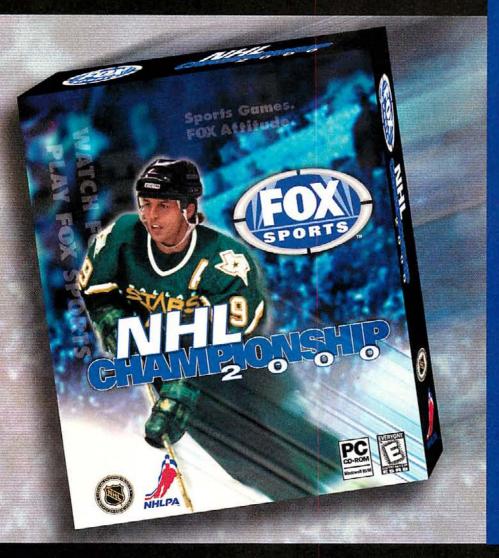
"But, most of all, I thank the would-be artists who strive to show us the rainbow, and the beholders among us who seek to see as rainbows the jury-rigged arches winched into view by their hopeful makers. Sometimes the noise is horrible. Sometimes the guy-ropes are harder to see than threads. Sometimes the sky is afire with color and light and passion. Sometimes..."

Here's to all of the design teams that try to show us the rainbow. Sometimes, we can't see the colors for the clipping problems. Sometimes the frame rate seems like a PowerPoint presentation. Sometimes, we are swept into virtual worlds afire with conflict and love and passion that are seamless enough to make us forget our everyday problems and experience the ecstasy of victory.

GAME OVER, MAN! Or maybe, this last column from the old geezer of computer gaming is just the beginning – for all of us.

Johnny leaves us to become Publishing Director at Wizards of the Coast. We wish him the best. [347]

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EXPERIENCE FURIOUS SPACE-FIGHTER
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OF LAST RESORT"



CUSTOMIZE, UPGRADE AND FLY UP TO 10 DISTINCT FIGHTERS - EACH WITH ITS OWN COCKPIT AND UNIQUE COMBAT CHARACTERISTICS

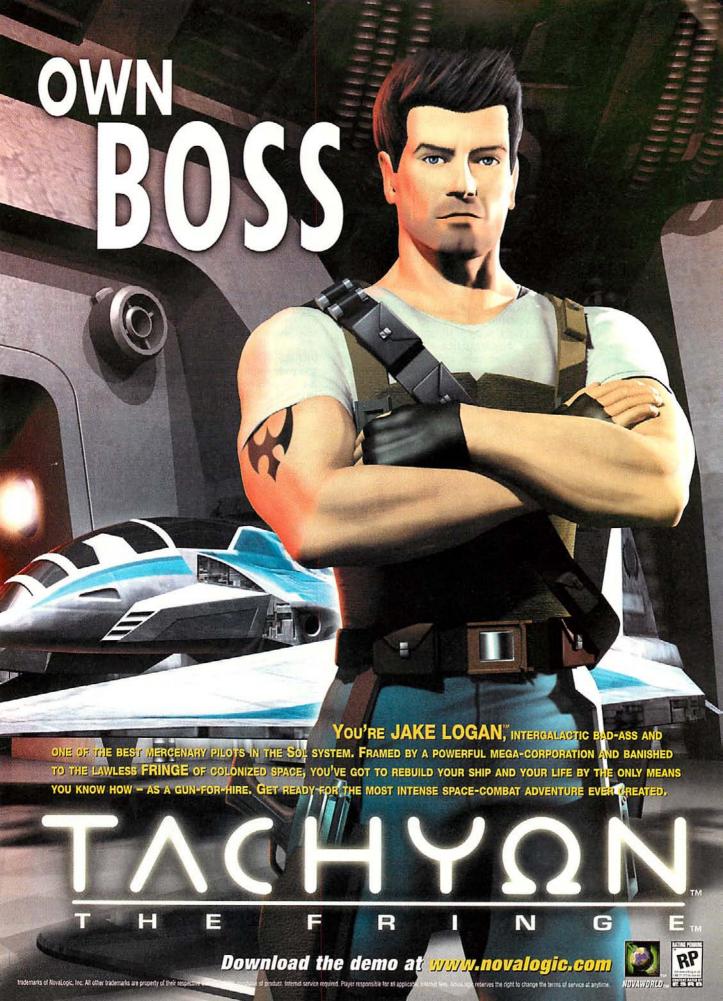


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### **Bad Taste?**

In your August issue, you represented a five-star rating

with a Three Musketeers bar, and a four-star rating with a Snickers. How can you possibly prefer the limp and overall boring flavor of the former with the hardy nuttiness of the latter? I know when I need a chocolate



fix, nothing satisfies like a Snickers. No, I don't work for Snickers; I'm simply a concerned reader who feels it is his duty to point out the grave lack of taste on the part of the individuals responsible for that section. For shame! Jason Rabin Montreal, Canada

Most of us couldn't agree with you more. The individual responsible for the gaff has nougat for brains. Which, to our surprise (and his!), we found quite

### Atriarch's Matriarch

I'm really excited to see ATRIARCH men-tioned in your magazine (August

"Pipeline"). Unfortunately, none of the information is correct. The company name is World Fusion, and the release date has not been announced yet. ATRIARCH is a massively-multiplayer, online, persistent game based on an original science-fiction universe. It is currently in development. Thanks.

Serafina, Lead Game Designer, World Fusion

Thanks for the clarification. We received a ton of letters asking us to cover your game. Call off the spamming campaign and we'll take a closer look in the next month or two. In the meantime, interested gamers can peep at www.atriarch.com.

### Oni Baloney

n your August issue you state that the upcoming third-person-perspective game, ONI, sports "sharp anime style-inspired by Ghost in the Machine ..." I think not! Ghost in the Machine is a cyber thriller chroni-

With respect to the violence in gam-ing issue, I would first like to say that I don't want to be anyone else's parent. As Charles Barkley once said, "I am not a role model." However, I do believe that just to

say that it is the parent's sole responsibility to regulate what their children are watching or playing is a little naïve.

The point is that there are boundaries that most people would not like to cross. You can call these whatever you like-moral, ethical, political, religious, legal, whatever. It really doesn't matter

what you call them, they do exist. If they didn't, a game where the object was to push human beings into an oven in 1940 Germany and Poland would not be met with outrage. There are times when things go too far or are just plain wrong.

It seems that in today's gaming world most publishers and developers are always trying to push that envelope. How violent can it be? How graphic can it be? How sexy can it be? How far can we go?

Look, I don't want to build a bridge. I

don't want to start a village. All I want is that maybe we should be trying to push that envelope in the other direction just a little.

> **Tony Travers** San Diego, CA

We agree, Tony. The concept of parental responsibility does not free game publishers of their own responsibility. And game publishers can go too far. Deciding what "too far" means, though, is a really sticky matter. We do know that we don't want some entity in Washington making the call. And parents taking more interest in their childrens' media consumption can only help matters.

Ultimately, the best we can do is talk about the issue, to keep a constant dialogue

between game publishers, the gaming press, and game players. We're glad to get letters like yours and we encourage others to write to us and to publishers. The publishers push the violence envelope because they think gamers want them to. Well, do you?



### **Walk the Talk**

am a long time reader and fan of CGW and find it unfortunate that the hypocrisy of your July issue requires comment. As Johnny Wilson notes in his eloquent editorial on violence and gaming, "CGW has advocated content labeling for all games since 1990." You also advocate the ESRB rating [actually, it's

### \*\*\*\*! "It doesn't get much better than this."

- Next Generation

\*\*\*\*\*!

- Adrenaline Vault

9 out of 10! "...the real deal is back, and it's terrific."

- PC Accelerator

9 out of 10! "This may be the best vehicular shooter ever."

- IGN

\*\*\*:"...the game is nearly perfect."
- Gamepen

9 out of 10!

Gamespot

"...the most exciting action game I've ever played."

- Cnet Gamecenter

A- "Descent 3 is a title that excels beyond my wildest expectations."

Gaming-Age

Editor's Choice Award for Best Shooter.
- Review Board



















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the RSAC| approach because of its emphasis on evaluating the content of games. Bravo! I have enjoyed games that I felt are inappropriate for younger gamers, and feel that this is the correct approach to help parents monitor the content of the games for their children. I am also very aware that most individuals are able to play these violent games and enjoy them in context. The sick individuals who commit heinous crimes will do so whether the catalyst is a video game or 10 years working for the United States Postal Service. It is slightly different when discussing the adolescent psyche, however. In no way, though, should these games be banned. The need for self regulation of the gaming community is articulated very well by Mr.

With that said, how the heck could your magazine

package extremely violent crap like KINGPIN in your CGW July CD. There was no warning I could find, and this program is available to millions of children through your magazine. If any game needs an "R" rated label, it is this program. It is just not appropriate for younger gamers. Please be more careful in the future, and if you advocate content labeling try to practice it. With that said, off to play more HEROES III.

> Colin Linehan Maryland

Great point, Colin. As something of a "publisher" of game demos, we're just as responsible for content labeling as the game publishers are. We did include a warning with the KINGPIN demo, but it obviously wasn't prominent enough. We'll do better in the future.

cling the story of a single mother tormented by the computerized ghost of a serial killer. This, to all of you who aren't animation fans, is known as a live action. The movie that inspired ONI is none other than Mamoru Oshii's Ghost in the Shell, based on the manga by Masamu Shirow.

Although this small mistake is deemed trivial, I don't think that anyone should get credit for another person's success. Thus, I am quick to point out this mistake.

Nathaniel Plain

### Can't Beat It

just finished playing the BEATDOWN demo from your July '99 issue, and it really stank! What sort of criteria do you use in selecting the demos that go into each issue?

Josh

We charge a buck a meg. Just kidding, it's two bucks. We allocate space on the disc based on gameplay quality, with preference towards interactive demos over non-interactive movies. But if we have extra space, we try to include every new demo we can get. Not all are winners, but that's the point of a demo, no?

Vox Populi

'd like to thank Loyd Case for his article on voice L communication software (July, page 90). I am a frequent player of TEAM FORTRESS CLASSIC (ain't we all) and communication is the hardest thing about it. But, today I picked up Roger Wilco on the advice of a clan member. We played two hours straight, and it was pure bliss. It never broke up too heavily, but I did have to ask for a couple repeats because his voice was kind of muddy. But it was pure bliss. I'd like to thank you guys, and the folks at Resounding Technology, makers of Roger Wilco.

Joey Garrison

In our Hot List 2000 feature last month, we mislabeled Electronic Arts' NEED FOR SPEED: MOTOR CITY as NEED FOR SPEED: MOTOR CITY MADNESS. Clearly, a case of E3 psychosis. Also, in last month's READ.ME Reality Check, we listed the C-Net GameCenter review ratings as having a 5-point scale. They use a 10-point scale.

Contact the editors at cgwletters@zd.com.

For subscription service questions, address changes or ordering information, call (303) 665-8930 within the U.S. and Canada or write cgw@neodata.com. All other countries call (303) 604-7445 or write to Computer Gaming World, P.O. Box 57167, Boulder, CO 80322-7167...

The Ugly Truth

Joystick and graphics accelerator card makers probably think that gamers are a bunch of idiots. Just look at the depiction of their product "users" of the joystick/soundcard/graphics accelerator (choose one, they're all unoriginal) on the packaging. Most of the pictures show some doofus with his mouth open almost as if he's drooling and eyes looking real shocked at the screen. Some even show the gamer with hair standing on end as if electrocuted.

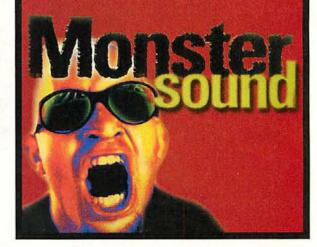
What about the ones where the gamer just looks as if he's trying to stop himself from peeing in his pants. (Go ahead. Imagine the face you'd make.)

Yes, all they want to do is sell their stuff and convey the excitement the product would bring. But they should come up with some original ideas. The mouthwide-open depiction doesn't cut it anymore. If you don't believe me, just take a look at the packaging at your favorite games peripherals shop. This, however, does not apply to Thrustmaster which seems to have done the opposite and taken a laid back approach to marketing, right down to recommending other people's programming utilities on their own Website.

Furthermore, other people have come up with better utilities than Thrustmaster. Shame but they seem to be happy with that. But the pilot and plane picture on their boxes is enough to tell you what a joystick does.

Colin J. Smith

Yeah, the bug-eyed gamer is getting a little old. But just think of the horror of a truth-in-advertising approach. Or see a sample in this month's READ.ME, page 56.



# YOU THINK.





YOU FIGHT.

YOU INTERACT.



# only, in a parallel

FYOU THINK YOU'VE FIGURED IT ALL OUT, THINK AGAIN. PARALLEL UNIVERSES, VIRTUAL REINCARNATION ZEN-LIKE ODYSSEYS. IT'S ALL NEW. IT'S ALL OMIKRON. EMBARK ON A SPIRITUAL MISSION TO SAVE SOULS FROM THE DARK SEDUCTIONS OF A DECADENT DIMENSION. ALL WITHOUT FALLING PREY TO COUNTLESS TEMPTATIONS YOURSELF. ADVENTURE, EXPLORATION, COMBAT AND ROLE-PLAYING. AND THAT CONTINUES TO HAPPEN EVEN AFTER YOU DIE. OMIKRON, IS NOT JUST A GREAT GAME. IT'S AN EXPERIENCE CORRECTION > IT'S AN OUT-OF-BODY EXPERIENCE.





# Sneak through the darkness & silence the enemy













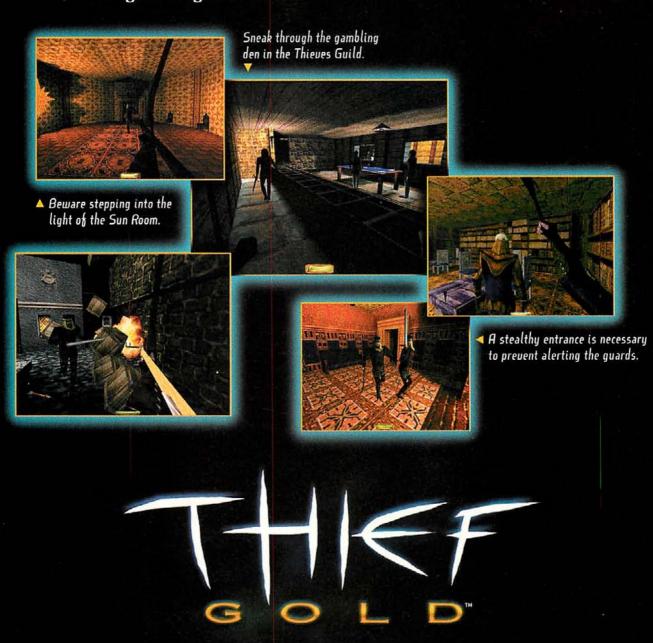






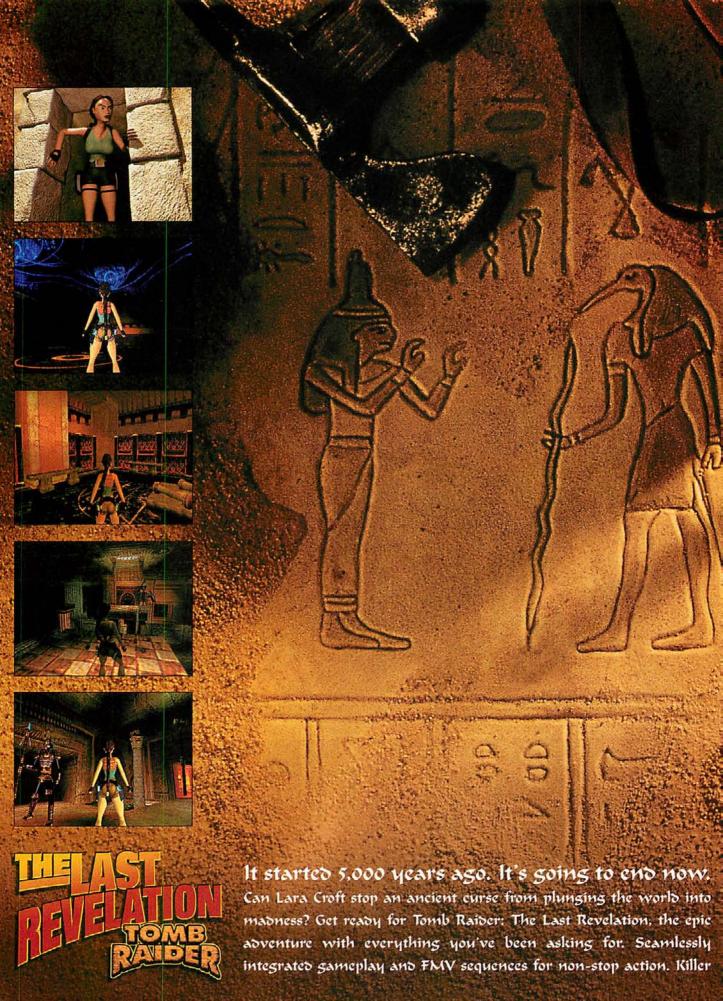
#### FEATURING 3 ALL-NEW MISSIONS

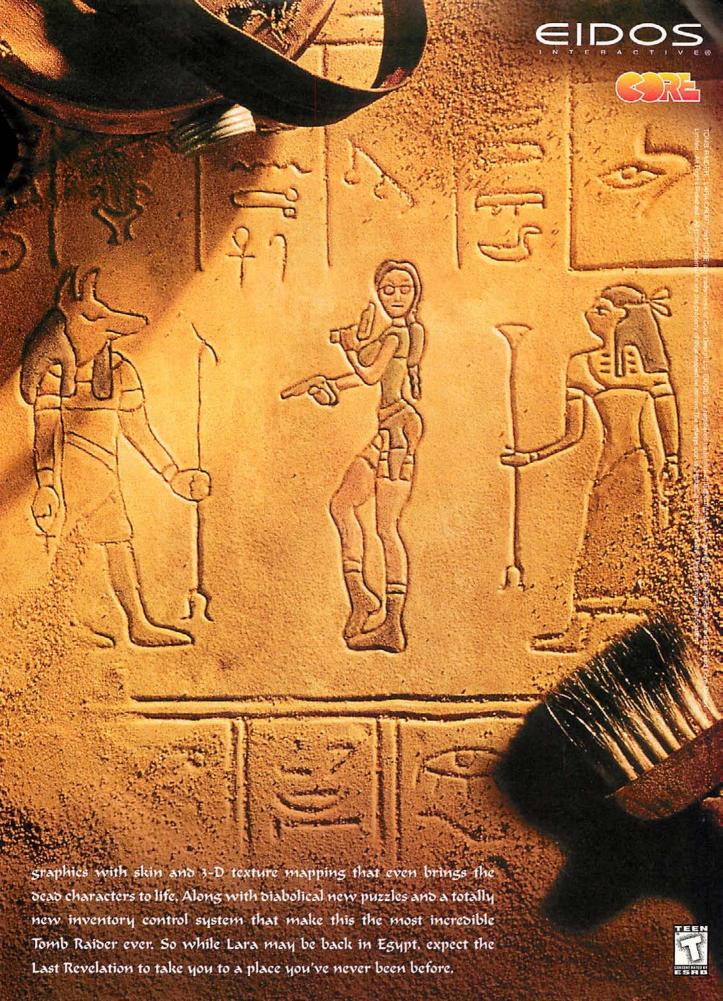
Discover why thousands of gamers worldwide are silently sneaking through the darkness. Journey through night, as Garrett, a master thief, cloaked in the darkness of a sinister medieval realm where shadows are your only ally, trust is not an option, and confrontation can bring very grim results. Thief Gold takes you beyond the smash stealth hit, Thief: The Dark Project. With three treacherous new missions and fine-tuned gameplay, Thief Gold delivers breathtaking new levels of stalking, stealing and survival!



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#### "THEY MAY TAKE OUR LIVES, BUT THEY'LL NEVER TAKE OUR FREEDOM!"

Based on Mel Gibson's award-winning movie, Braveheart the game recreates the atmosphere and excitement of Scotland's legendary struggle for freedom against the English invaders.

#### **KEY FEATURES**

- Real-time Strategy and 3-D tactical combat.
- Trade, Diplomacy and Resource Management.
- Entire terrain of England and Scotland accurately recreated from Satellite data!
- Night and day battles, weather effects and seasonal variations.
- Epic battles in true 3D allowing you to fight at army level or close-in, man to man.
- Includes film footage and dialogue from the original film.





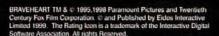


















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POWER AND FURY
OF MEL GIBSON'S
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MOVIE."
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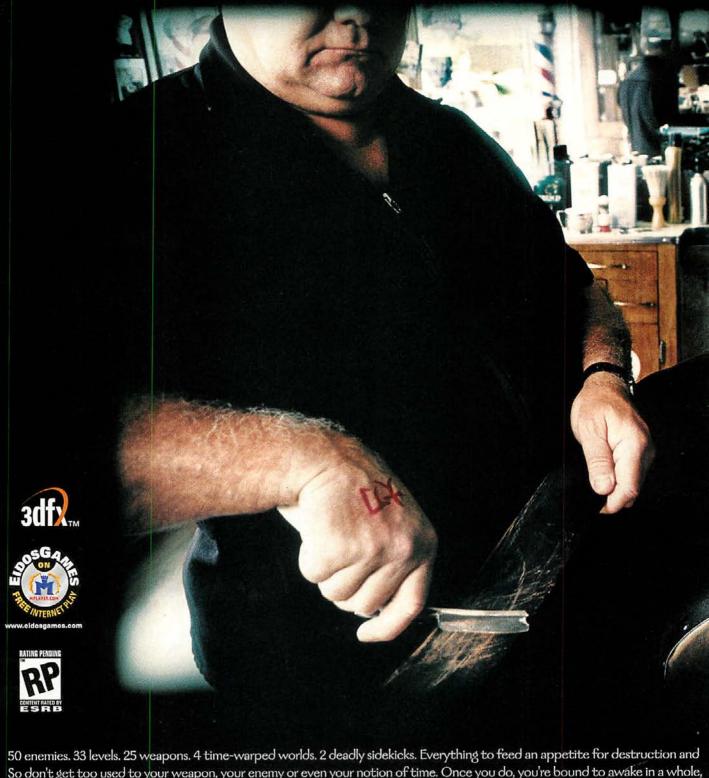
"WILLIAM WALLACE'S LEGACY TRANSCENDS THE MOVIE SCREEN."

**NEXT GENERATION** 





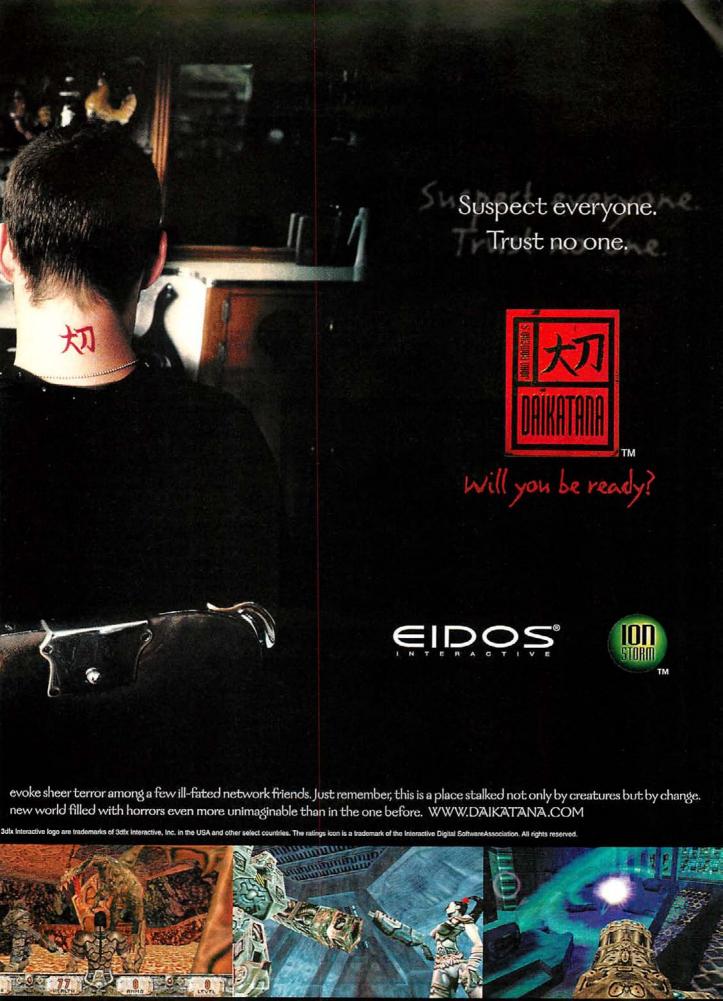




So don't get too used to your weapon, your enemy or even your notion of time. Once you do, you're bound to awake in a whole,

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# Read.Me

The Latest News From Around the Gaming World • Edited by jeff\_green@zd.com

# EA Scraps Jane's A-10

#### Another Month, Another Flight Sim Bites the Dust

lectronic Arts' highly touted JANE'S A-10 WARTHOG is the latest sim to get shot down in a recent wave of cancellations. Pile A-10 onto the heap that now includes Dynamix' ACES OF THE PACIFIC 2 and X-FIGHTERS,

and Eidos' CONFIRMED KILL. Does this mean flight sims are going the way of the dodo?

That's certainly the impression some had after hearing of A-10's cancellation. Although Origin claimed that WARTHOG was cancelled because it didn't match the company's new focus on online-only games, sim enthusiasts were quick to accuse EA of backing away from its commitment to hardcore flight sims. A petition urging EA to reconsider attracted more than 600 comments within days of the announcement (www.limech.com).

While it may be true that EA wants higher sales than a typical flight sim achieves, sources close to the development team say A-10's cancellation was due to serious problems on the project and not to lack of commitment.

"A-10 was in very bad shape graphically,"



## Quake 3 Arena Update

Reporter Vic Long Visits id Software and Takes a Bullet for the CGW Team

hen your goal is to design the new benchmark in multiplayer action, perfection takes more than programming skill and design savvy. It takes dedication and perseverance...and lots and LOTS of deathmatching.

Deathmatching is about all I've done in my recent visits to id Software. The design team's daily, frenzied DeathMatch and Capture-the-Flag sessions are invariably followed by a central office gathering to breathlessly recount incredible long-distance rail gunnings, cowardly escapes and dirty tricks. It may look like a bunch of goofs screwing off, but this is how designing the ultimate multiplayer splatterfest is done.

From what I've seen, the id team is well on its way to yet another smashing success. The latest QUAKE 3 test

release adds many subtle improvements. The higher-level menus now incorporate a mouse-driven cursor. A new circular targeting reticle (customizable in the final release) changes from white to yellow to red as your health declines. The server menu contains a Zone option for helping players find servers. And a Sprite option allows players to squeeze even more 3D performance out of their systems.

On the design scrap heap are the three character classes and the flamethrower weapon, as originally conceived. Why? They simply did not add enough to the gameplay. Also nuked was the chainsaw because it was chewing up too much network bandwidth. The current weapons list includes the gauntlet, machine gun, grenade launcher, rocket launcher, grappling hook, lightening gun, plasma rifle, rail gun, and a BFG of some sort. This new BFG (still in the works) is more like a Heckler & Koch 40mm machine-gun than the BFG of DOOM or QUAKE II. The new king of weaponry will crank

## **Read.Me**

5, 10, 15 Years ago in CGW

# Sept./Oct.1984

A star studded issue. Featured designer Jon Freeman (ARCHON) with words of encouragement for would-be game designers ("...the median royalty for a published game is around \$1000."); Richard "Lord British" Garriot describing his new game, ULTIMA IV, as having characters that you could actually talk to, and combat in which the monsters could move individually; and Sid Meier who thought that there might be something to this "modem gaming" thing. The issue's low point: An ad for a tshirt bearing the slogan,

"Programmers BYTE, PEEK and POKE, then RAM it to the CORE."

It was a decade ago that John Madden's ugly mug first graced the front of a computer football game. And he wasn't just the spokesmodel; he actually got credit as a game designer. Wyatt Lee (aka Assistant Editor Johnny Wilson) gushed over the sophisticated statistical engine which rated each player on a scale of 0 to 9, but then complained about the AI because it could never defend against a reverse. He was deeply distrustful of the new

"action feature" which allowed

you to actually control your play-

ers with a joystick.

October 1994

How big was multiplayer gaming just 5 years ago? CGWs "Opponents Wanted," a free classified ad section for gamers seeking other gamers for modem games, ran just 20 ads. We also previewed a quirky little game, a "real time" strategic game, called WARCRAFT and wet ourselves over LucasArts' TIE FIGHTER.

said a former member of the team who asked to remain anonymous. "It was highly unlikely it was going to be released this year. There were serious speed issues—even on a Pentium II 400 with a Voodoo 2 card. EA wanted to do that game, but A-10 kept missing all of its milestones."

A-10 executive producer Andy Hollis and producer Will McBurnett had worked together on the award-winning JANE'S LONGBOW and JANE'S LONGBOW II. However, there is some doubt as to whether Hollis was able to devote enough attention to the project. Hollis says that the game

was making progress, but had to be cancelled because it began to conflict with Origin's new focus. "It's hard to focus on online when you've got other things

going on," he said. "If those things are going on for a little while, it's not a distraction. But the longer those things go on, the more they become issues."

Electronic Arts still has a number of flight/combat games in development, including JANE'S USAF (which includes an A-10), JANE'S WORLD WAR, and JANE'S F/A-18, for release later this year. But it appears that EA is shifting its

continued on page 46

#### Flight Sim Sales

A sampling of flight sim sales including key Jane's titles. While these numbers suggest that the games have been profitable, they may not have done as well as EA would like. JANE'S WWII FIGHTERS, released concurrently with Microsoft's COMBAT FLIGHT SIMULATOR, appears to have been murdered by Microsoft's brand recognition.

Title	Publisher	Units Sold	Sales Revenue
Jana's AH-840 Longbow	EA	106,423	\$4,787,187
Jane's AH-640 Longbow II	EA	99,430	\$3,890,245
Jane's F-15	EA	126,461	\$5,079,476
Jane's WWII Fighters	EA	60,943	\$2,582,181
Falcon 4.0	Hasbro/MicroProse	116,776	\$4,579,246
Combat Flight Simulator	Microsoft	260,708	\$10,810,313
			Source: PC Da

out vicious explosive rounds, and its power will be limited only by the sparsely distributed ammo.

The id team's current plan is to include at least 30 distinct maps, including those specifically designed for freefor-all DeathMatch and team-oriented Capture the Flag. In addition to the Quad damage power-up, there will be

several new goodies like Flight, Regeneration, Invisibility, and Haste. Whenever a player nabs an upper, a voice message will be broadcast to everyone in the arena.

Many new characters will be added. The few I've seen include the Orb, a bizarre mutation of giant eyeball and ET doing handstands; the Hunter, a female warrior who looks hotter than Leeloo from The Fifth Element; and Lucy, a homely and squat wearer of abused stockings.



My favorite new character is Uriel, the winged gargoyle, but only because it's as ugly as I am. Several characters from id history make an appearance. Tank Junior is the offspring of the Tank from QUAKE II. Artemis, the female soldier from QUAKE II. makes a comeback.

The original QUAKE marine returns with a spiffier look. Even the DOOM guy gets a role.

Bots, or computer-controlled players, will be an important feature in the final release. The bots are intended to provide a multiplayer experience, even for those playing solo, and to help newbies train for matches against other humans.

As always, id will release QUAKE 3 ARENA "when it's ready" - which will be a long time after we are. -Vic Long

## **Read.Me**



continued from page 45

focus from hardcore sims to other properties. Where last year there were three teams developing Jane's sims—San Mateo (WWII FIGHTERS), Austin (LONGBOW 2, A-10), and Baltimore (F-15, F/A-18)—only the Baltimore group now remains. The forthcoming USAF and JANE'S WORLD WAR (a persistent online multiplayer game) are being developed by Pixel Multimedia, an external studio in Israel. Meanwhile,

both of EA's high-profile executive sim producers, Paul Grace and Andy Hollis, have either left the company (Grace), or are no longer involved in flight sims (Hollis).

The San Mateo team that had worked on JANE'S WWII FIGHTERS is

now rumored to be working on an EA Sports game; former members of the Austin Skunkworks are rumored to be working on an online WING COMMANDER.

Sources within EA suggest that the company isn't pleased with the return on its sims; they claim that EA's producers are required to earn four to five times as much money on a game as they spend in development. Judging by the sales of WORLD WAR II FIGHTERS, which sold less than 100,000 units and earned about \$2.5 million, EA may be disappointed with its sims versus sports titles. Only time will tell if this is merely a cyclic low for the genre. We'll be sure to watch what happens at Jane's last remaining development house when F/A-18 ships. – Ken Brown

#### PIPELINE Send notices to: cgwpipeline.com

Age of Empires II	Microsoft	04 99	NHL 2000		04 99
Age of Wonders	GOD	04 99	Nox		Q1 00
Allegiance	Microsoft	02 00	Oni		Q1 00
Anachronox	Ion Storm/Eidos	01 00	Orcs: Revenge of the Ancient		Q4 99
Asheron's Call	Microsoft	04 99	Panzer General 3D Assault		Q4 99
Axis & Allies Exp.	Hasbro Interactive	04 99	Pharoah		Q3 99
Babylon 5 Space Com.	Sierra F/X	Q1 00	Planescape: Torment		03 99
Black & White	EA	04 99	Quake III Arena	The state of the s	Q4 99
Close Combat: Battle of the Bulge	Atomic/SSI	04 99	Reach for the Stars	THE RESERVE AND ADDRESS OF THE PARTY OF THE	Q4 99
Comanche 4	Novalogic	Q4 99	Revenant		Q4 99
Comanche/Hokum	Empire	Q2 00	Risk II		Q3 99
Conquest: Front, Wars	Digital AnviVMS	02 00	Sanity	The state of the s	Q4 99
Creatures 4	Mindscape	04 99	Shadowpact	Control of the last of the las	04 99
Creatures Adventures	Mindscape	Q4 99	Sid Meier's Civ.	Firaxis/MicroProse	Q4 00
Dark Reign II	Activision	Q3 99	Shogun: Total War	EA	Q1 00
Desert Fighters	Dynamix	Q4 99	Silent Hunter II	SSI	Q4 95
Deus Ex	Ion Storm	02 00	Silver	Infogrames	03 99
Diable II	Blazzard	Q4 99	SimMars	Maxis	Q3 OC
Duke Nukem Forever	3D Realms	02 00	The Sims	Maxis	010
F/A-18E SuperHornet	Interplay	04 99	Soldier of Fortune	Raven/Activision	04 9
Final Fantasy VIII	SquareEA	04 99	Starlancer	Digital Anvil/Microsoft	04 9
Flight Simulator 2000	Microsoft	03 99	Star Trek Armada	Activision	Q4 9
Flight Unlimited III	EA	03 99	Star Trek Insurrection	Activision	04 99
Force Commander	LucasArts	Q4 99	Star Trek Voyager: Elite Force	Activision	Q1 00
Freelancer	Digital Anvil/MS	04 00	SWAT 3: Close Quarters	Sierra Studios	04 99
Giants: Citizen Kabuto	Interplay	04 99	Tachyon: The Fringe	Novalogic	Q4 99
Hall-Life: Opp. Force	Sierra Studios	04 99	Team Fortress 2	Valve/Sierra	Q4 95
Halo	Bungie	04 00	Theme Park World	EA	04 9
Harpoon 4	SSI	Q2 00	The Sims	Maxis	010
Heavy Metal FAKK. 2	600	02 00	Tomb Raider IV: The Last Rev.	Core/Eidos	03 9
Indiana Jones/Infernal Machine	LucasArts	03 99	Tom Clancy's Rogue Spear	Red Storm Ent	Q4 9
Interstate '82	Activision	03 99	Tribes 2	Sierra Studios	020
Jane's F/A-18	Jane's/EA	04 99	Ultima Ascension	Origin/EA	Q4 9
Joint Strike Fighter	Novalogic	04 99	USAF	Jane's/EA	03 9
Loose Cannon	Microsoft	Q2 00	Vampire: The Masquerade	Mihilistic/Activision	049
Madden 2000	EA Sports	04 99	Warlords: Battlecry	SSG/SSI	010
M/G Alley	Empire	04 99	Werewolf	Oreamforge/ASC Games	
Motorcross Madness 2	Microsoft	01 00	Wheel of Time	Legend/GT	Q4 9
NBA Inside Drive 2000	Microsoft	04 99	Wild, Wild West	SouthPeak	Q4 9
Need for Speed: Motor City	Electronic Arts	04 99	You Don't Know Jack Offline	Berkeley Systems	03 9

#### **CGW Cover Curse?**

JANE'S A-10 WARTHOG is the latest game to appear on our cover that has sunk into computer gaming's Bermuda triangle. Other games that never reached their destination include Sir-Tech's WIZARDRY 8 and Virgin's **SWORDS &** SORCERY (October, '98), Eidos' CONFIRMED KILL (May, '95) and Hero's CHAMPIONS (April, '92).



While we're at it, notable mentions for games that shipped but stank include TRESPASSER (March, '97), JOHNNY MNEMONIC (February, '95), and BATTLECRUISER 3000 (May, '94). BATTLECRUISER 3000, after a year of patches, is now playable (we're told). If anyone cares.





3D Chip War Heats Up

The now-seasonal war of graphic chips is bound to heat up again as nVidia offers more information on its NV10 chip. The chip may output three to five times as many triangles as a Pentium III, which outputs five million triangles. Looking to diversify, nVidia has created the chip with the ability to output HDTV quality images. As we received word of what the NV10 could do, Silicon Graphics (SGI) announced that it had dropped a pending 3D graphics infringement suit against nVidia. Both companies have since licensed parts of each other's 3D technologies. To top it off, nVidia will be working with SGI to develop new 3D technologies. Sound fishy? Now that nVidia is the only independent developer in 3D graphics' top-tier, allying itself with SGI could bear retail fruits soon. Expect 3dfx to volley a return in September with the announcement of its Voodoo4 (codenamed Napalm) chipset with 32-bit color and more memory. The Voodoo3 has been popular, but the current breed of TNT2 chips has caused many gamers to leap to nVidia's option for 32-bit instead of 3dfx's 16-bit solution.

#### Pouring Gasoline on the Flames

'Tis the season for controversy.
Following on the bloody heels of
Interplay's ultra-violent KINGPIN
comes Activision's equally ultra-vio-

"HALO looks

like it may blow the

doors off anything

graphically"

lent SOLDIER
OF FORTUNE —
a sure magnet
for heavy
mainstream
press attention.

Graphically, the title looks very impres-

very impressive atop the QUAKE II engine, with victims' bodies performing "bullet dances" and losing limbs with unbelievable (and some would say too much) realism. A violence filter can help keep kids away from the game's more gruesome aspects, but how the public and press deal with those gruesome aspects is something that everyone in the industry will be watching closely.

#### Blame it on EVERQUEST

In the "please just finish it" category, Westwood's COMMAND & CONQUER: TIBERIAN SUN remains in production with no release date. Almost five years have gone by since the last major showing of a C&C title, and gamers are begging for a release date. Rather than build a fully 3D C&C, Westwood has kept to the 2D basics and enhancing gameplay. Will it be enough as other companies have blitzed through at least two generations of RTS titles? See our hands-on preview in this issue.

In the same category, DIABLO II ads are running, but the title still has no firm release date other than "1999." Blizzard is known for tweaking its titles to death at times, but gamers have been less apt to complain since the release of STARCRAFT. Word has it that while the development team is tweaking the game, it has also been struck by the current ailment plaguing other game companies trying to finish their products: EVERQUEST.

#### **Bungie Strikes Again**

Bungie consistently pushes the envelope with its game designs (MARATHON, MYTH) and always surprises gamers with its visions of what games should be. Although the company began developing on the Macintosh, it has grown into one of the few companies to offer high-cal-

iber hybrid games on the

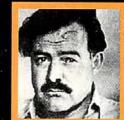
lic during Steve Jobs' keynote address at the MacWorld Expo in Boston. Bungie developed the game on the PC first using OpenGL and then ported it over to the newer G3s. Considering the new G3 has the powerful ATI Rage 128 as its default card, the game should look astounding. HALO'S engine could be ripe for licensing out to other developers in the near future.

## The GOOD...

PERFECT PAC MAN SCORE! We have a new hero. This July, Billy Mitchell, a 30-year-old from Hollywood, Florida, accomplished the impossible: he got a perfect score on Pac-Man – the first one ever. During a competition at an arcade in New Hampshire, Mitchell attained the maximum score of 3,333,360 points by playing through 256 screens without losing a single life. Mr. Mitchell: we bow down to you sir. Truly, we are not worthy.

#### JAGGED ALLIANCE 2 AT LAST Those lucky Germans have been playing and raving about this turn-

based tactical strategy game for months, but everyone else has been chomping at the bit while Sir-Tech worked out a publishing deal with TalonSoft. Now it's here, and it was worth the wait. Our real review is coming next month, but here's the



## the BAD...

THRUSTMASTER BAILS OUT Another month, another monumental change for the gaming industry – and another acquisition by the French. Thrustmaster is selling its name and all its gaming controller assets to

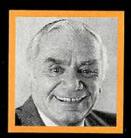
the France-based
Guillemot Corporation
for \$15 million. Why get
out of a business in
which they have played
such a huge role for so
long? Why else? To
focus on Internet-based
products. Sigh. Change:
we don't like it.



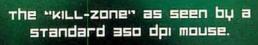
# and the UGLY...

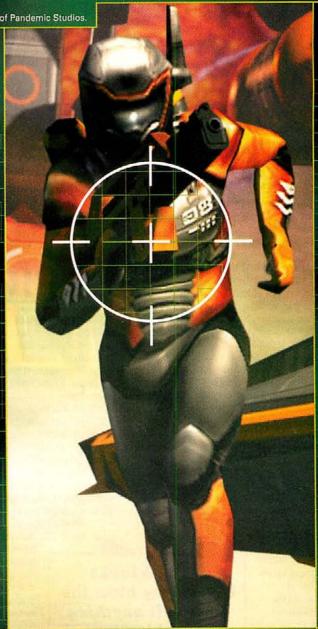
COPY PROTECTION WOES We understand the gaming companies' position. They don't want their games pirated. That's fair and good. However, some of the copy protection schemes we've seen lately have been an unbelievable pain in the neck for gamers to deal with — in the worst case scenario making it impossible to play

the game. When no less than three experienced CGW editors can't get a game to boot because of copy-protection glitches, you know something is wrong. Protect your software, but please make sure your protection works!









the "kill-zone" as seen by the



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## **FBZE**

# POUF d.P.I.



#### [dead player index]

Introducing the Razer" Boomslang". The ultimate control device for the ultimate gamer. Featuring over twice the dots per inch (dpi) of a standard mouse, an ergonomic hi-tech design, breakthrough technology, and other innovative features, the Razer edge is all a player needs to compete in today's toughest gaming arenas. So get the only mouse with the deadly accuracy of 1000 dpi (also available in 2000 dpi). And get ready to raze the body count.



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The mouse with killer instincts.

order exclusively via www.razerzone.com or call toll-free 1.877.Fazerzone [1.877.729.3796]







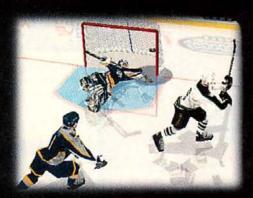
#### **BONE-THUMPING HITS**

Throw your weight, and your opponents, all over the ice. Not to mention the internet



#### MOLAR-LOOSENING BRAWLS

Import your face and go toe-to-toe in a one button brooh-ha-ha. Stitches not included



#### EGO-SHREDDING DEKES

Attention keepers: Prepare for a D-splitting one-timing, twine-denting puck attack



www.easports.com













## **Lara Goes Fourth**

Get Ready for More Polygonal Jiggle

ore Design has revealed its plans for Lara Croft's fourth TOMB RAIDER game Called THE LAST REVELATION, it will be set in Egypt and sees Lara unwittingly unleashing a terrifying force when she opens a previously unexplored tomb.

Based on ancient mythology and the alignment of stars at the millennium, the story will take Lara through a series of Egyptian locations and pit her against a host of native and mythological enemies.

As predicted, THE LAST REVELATION will employ a new game engine, and for the first time there will be a dedicated PC version that will not be constrained by the limitations of the Sony PlayStation. The PC version will make use of hardware-specific features, thus ensuring that it will look up-to-date, technology-wise.

To add to the atmosphere, lighting effects such as spotlighting have been added, and surfaces can now reflect and react to light sources. Locations and enemies will be a lot more detailed, while Lara herself has been remodeled and given a whole range of new moves that will be central to solving the puzzles and avoiding traps.

Unlike TOMB RAIDER III, which was made up of five separate adventures, THE LAST REVELATION will focus on a single objective, and while the plot will contain several unexpected twists, your goal will always be in sight.

Another key difference is that the game will be based entirely in Egypt instead of taking place in different locations throughout

the world. While it should take a comparable amount of

time to complete as its predecessors, individual locations will be smaller and tighter to convey the claustrophobic atmosphere of the tomb, and there will be less time spent travelling between areas.

"The philosophy behind THE LAST REVELATION is much more akin to the first game in terms of its puzzle mechanics, ancient locations and atmosphere," said Core Design's operations director Adrian Smith. "In some ways, THE LAST REVELATION is a prequel to the trilogy, but the technical advances will make it far more detailed and atmospheric."

The inventory system has been completely redesigned. The familiar inventory rings have gone to make way for a new system in which objects can be combined, collected and stored. Accessing the inventory

will also enable you to read Lara's diary (which will hopefully be full of hints and tips rather than how much she weighs and whether her boyfriend called or not) and a location map that will help you find your way through the tombs and labyrinths.—Alan Dykes

No Lara for Plavbov

nd now, in the Irony
Department, we find Eidos getting upset about the exploitation of Lara Croft's body. In July, Eidos succeeded in injuncting Playboy

magazine in the U.K. from printing the brand names

"Lara Croft" and "Tomb

Raider" on the cover of the magazine, which features ex-Lara model Nell McAndrew in a nude photo spread. The ruling required Playhoy to sticker covers already printed that contained the name and logo. McAndrew's contract with **Eidos finished in April this** year and she has no current associations with the TOMB **RAIDER brand. Good for Eidos!** We wouldn't want impressionable gamers to get the wrong idea of what that wholesome female role model is all about,









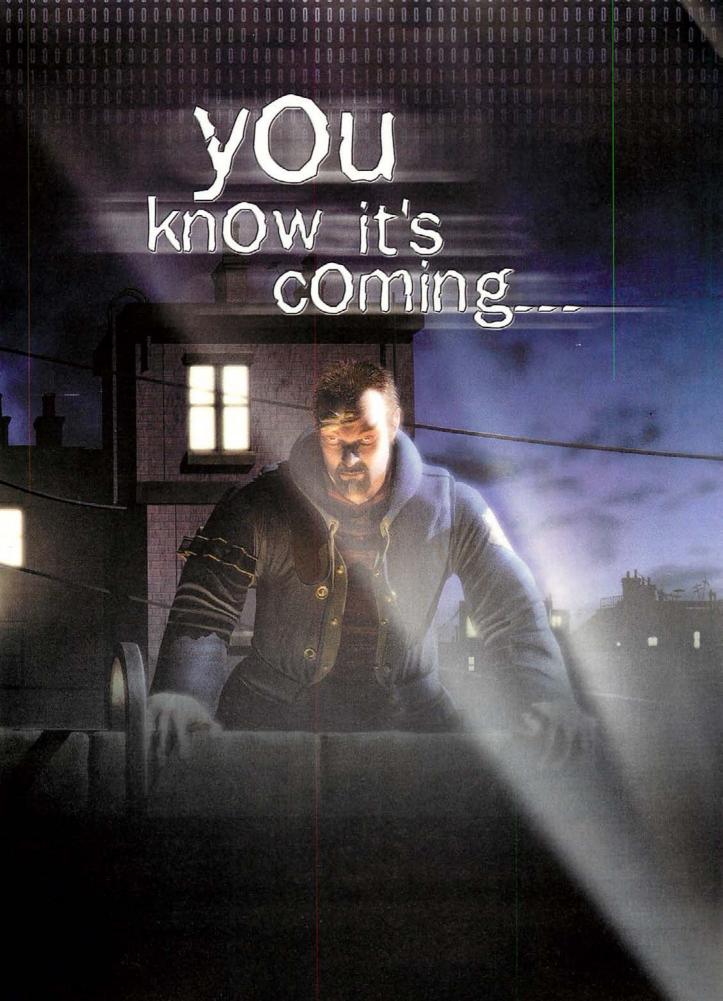
# **Reality Check**

We here at CGW accept the fact that we are part of the larger computer gaming community. And like all communities, differing opinions circulate within. Some are sensible, rational and well considered (like ours) and some are completely wonked (like anyone who disagrees with us). Here's the latest roundup of 10 recent games and their corresponding review scores from the major gaming mags and Web sites. All scores use each pub's own scoring system. 

Yellow indicates an editors' choice game

	(out of five)	PC Gamer (out of 100%)	CG Strat+ (out of five)	PC Accelerator (out of 10)	Gamespot (out of 10)	Gamecenter (out of 10)
Aliens vs. Predator	3	79%	•	8	8.3	6
East Front II	3.5	85%	***	*	8.2	9
F-22 Lightning 3	3.5	72%		•	8.2	5
Magic & Mayhem	3.5	76%			6.3	9
Mechwarrior 3	3	86%	4.5	9	8.3	8
Midtown Madness	4	90%	3.5	7	7.7	7
MS Baseball	3	59%		8	6.8	8
Operational Art of War II	3.5	93%		•	8.7	9
Star Wars Episode I: Racer	4	76%	3.5	7	8.2	9
Star Wars Episode I: TPM	1.5	71%	•	5	4.3	8

now would we?



Darkness falls over the city. Not the kind of darkness that comes with the absence of light, but rather the absence of good. And while many prepare to naively celebrate the new millennium, a small mysterious cult, known as "The Fallen", prepares to fulfill the dark promise of an evil prophecy. Yet, left standing between these "Fallen" ones is a rookie cop and a disillusioned ex-cop.

One woman...one man...one goal...survival.



Good cop or ex-cop? The choice is yours as either the youthful, hand-to-hand combat super-sleuth, Officer D'Arci, or disgruntled, street-smart weapons expert, Roper McIntyre.



Explore and interact with anything and everything, as you carry out your objectives across 27 mission-based levels, within a 200 x 200 block cityscape.













Part action, part adventure - all potentially lethal, as you platform your way through five distinct sections of the city.



Brutal street fighting awaits on the Union City streets, with intense hand-to-hand martial arts combat, vehicle chases and drive by shootings, and desperate automatic gun shootouts in dark alleys.



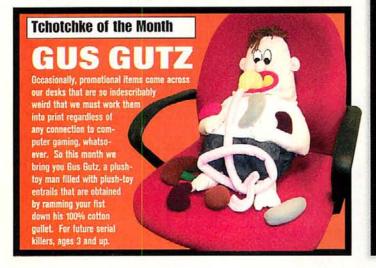
For a closer look go to citios.com

# In the "HOW THINGS REALLY ARE" Category...

...we present to you the registration page from Hasbro Interactive (www.hasbro.com).

Notice the perfect complexions of the "gamers." Notice the happy, joyful experience they have playing a game (a Hasbro game, of course). Notice the nice threads and the fact that the two guys are actually interacting with women.

Well, we at CGW felt the ad didn't quite represent what we consider a "typical" gaming experience, so we went out and found a few "models" of our own to present a sadder, but far truer, picture of the situation.



#### **CGW DESIGNER PROFILE**

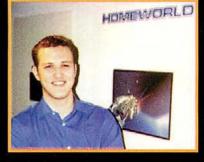
He's 24 and the CEO of Relic, Makers of HOMEWORLD. Lucky Bastard...

# Alex Garden

#### Q. You know

the drill.
A. Alex Garden,
CEO of Relic
Entertainment,
makers of the
upcoming
HOMEWORLD.
Q. CEO, eh? What
is it you actually
do?

do? A. Glad you asked. I'm in charge of



three things: Creative direction (working with the programmers and artists), press relations, and business development issues.

Q. What's it like being the CEO of a 40-person company at the age of 24?

A. It's great. Much better than being an unemployed CEO at the age of 24. Besides, I feel like I'm 50.

Q. You like fast cars and motorcycles. Any scary moments?

A. Yeah, I bought a '98 Honda CBR 900, and the first week I had it, I wasn't used to the power. I took a curve and saw a pothole and swerved to avoid it, and just then a car appeared out of nowhere. I had to go off road and almost laid the bike down in a patch of gravel. Glad I have those RTS reflexes. I hate to think what would have happened if HOMEWORLD was turn-based!

O. Speaking of HOMEWORLD, what was the inspiration for it?

A. I was having a conversation with a bunch of friends about games, and suddenly it flashed in my mind how to make a convincing 3D world in a flat 2D monitor. I left Electronic Arts and founded Relic, and we had the basic engine banged out in a month and a half. The rest of the time we've spent working on the "details."

Q. Was it always called HOMEWORLD?

A. The original code name was "Spaghetti Ball." We like HOMEWORLD better. Any other game company is welcome to use "Spaghetti Ball." We release it to the public domain.

Q. What are some of your favorite games?

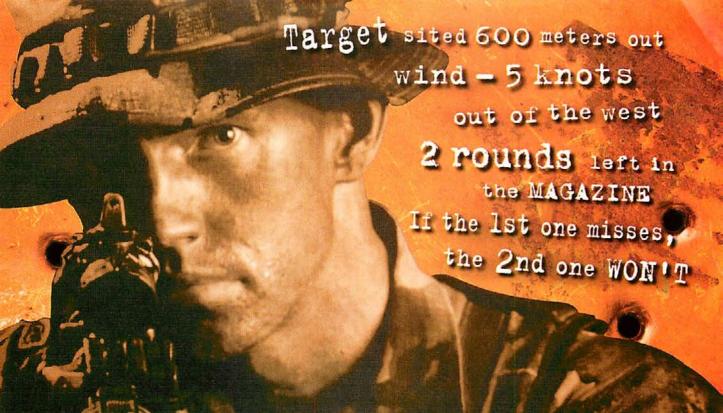
A. TWINSEN'S ODYSSEY, FALLOUT, and TOTAL ANNIHILATION are some. Believe it or not, I also love SOLITAIRE—there's a mystique about that

Q. You've been working in the game industry since you were 15. How did you swing that?

A. When I was 15 I saw a guy pull up in a black Lamborghini Diablo. He was Don Mattrick, then President of Distinctive Software (now with EA). I told him I wanted to do whatever it was he was doing. We talked a bit and he told me to contact him in a couple of years. I went home that night and cooked up a bogus resume and had it delivered to his desk the next day. He hired me as a part-time summer tester. That was where I met Chris Taylor of TOTAL ANNIHILATION fame. Since then Don and Chris have been my respective business and creative mentors.

Q. HOMEWORLD is in the homestretch. Are you going to Disneyworld when it's finished?

A. Actually, I think I'll just go to bed.



# DELTA FORCE

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JUST DIE TIRED







Featuring NovaLogic's VOICE-OVER-NET -

you're DEAD! If you're typing,

The ONLY game with the Voxel Space® 32 engine that allows you to truly interact with your environment - CONCEAL yourself in deep grass, TAKE COVER in hillside crags and TARGET enemies over a kilometer away. Plus...

NEW weapons, equipment, story-based missions and weather effects like rain, wind & fog

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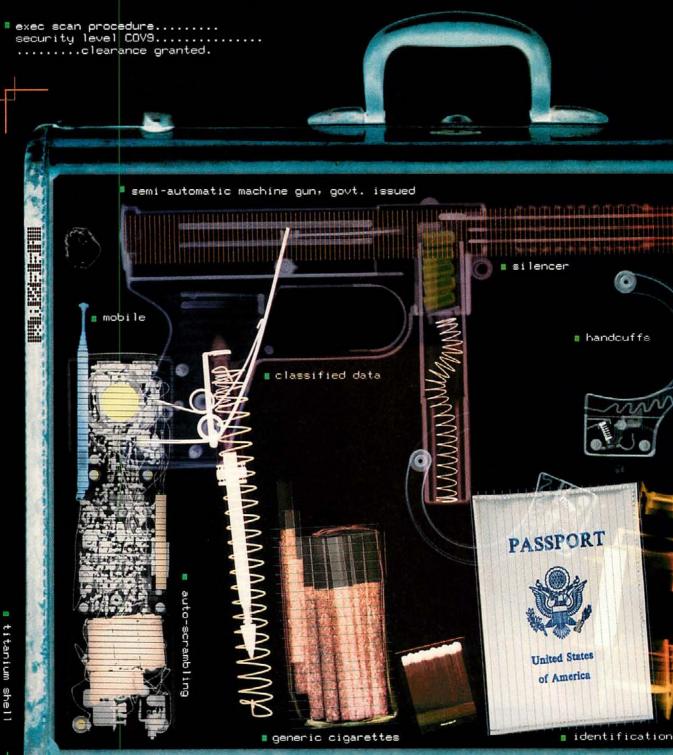
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- Immersive storyline written in collaboration with Counterparts author Gonzalo Lira plunges you into the secret and deadly world of a modern-day mercenary.



Siberian Military Base

■ New York Subway



# ORTUNE.

PACK HOUR BAGS. CALLING.

Four nukes have been stolen from a Russian stockpile and it's up to you to do the U.S. government's dirty work. Your mission: travel to the world's most dangerous political hotspots tracking down the warheads as they exchange hands with terrorists, skinheads, and countless militants. With sniper rifle in hand and white phosphorous grenades at your side, you realize that good aim and ammo will only get you so far. This is a battle of intelligence where strategy is the only plan of attack and the hunt is just as tricky as the kill. Tearing past enemy lines, you zero in only to find one nuke. Something is amiss. Someone has escaped you. So much for an open and shut case.

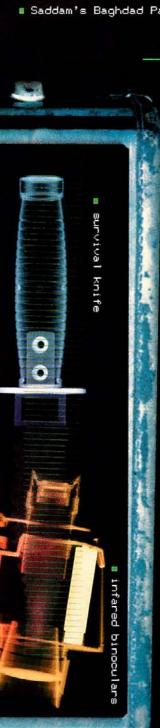
- E3 ACTION GAME OF SHOW -ALL GAMES NETWORK
- E3 BEST OF SHOW -THRESH'S FIRING SQUAD



www.ravensoft.com



www.activision.com



# PREVIEWS







# Dark Reign 2

Pandemic Pushes the RTS Into the Third Dimension by George Jones

he third dimension can be a frightening place if you're a real-time strategy gamer (or a Picasso fan). Exciting, but scary. I am used to plotting strategies by scrolling around flat maps viewed from a fixed, isometric perspective. I am used to certain types of interfaces, and the prospects of the upcoming 3D revolution worry me. Don't get me wrong; 3D views and effects and terrain make for gorgeous games. But I worry—oh, how I worry—that it also means awkward controls and swiveling, rotating, maddening interfaces.

Recently, my worries were eased by the guys at Pandemic Studios, the developer working on the sequel to DARK REIGN for Activision. A highly innovative title that kind of got lost in the deluge of real-

time strategy games two years ago, DARK REIGN was one of the first games to incorporate such modern efficiencies as unit queuing, waypoints, and

GENRE: Real-Time Strategy
RELEASE DATE: Q4 '99
PUBLISHER: Activision
DEVELOPER: Pandemic Studios

even rally points. From the look of things, they're about to bring the same level of innovation into the 3D environs of DARK REIGN 2.

#### **Think Phantom Menace**

DARK REIGN 2 is a prequel, with a story that explains the conditions of the universe existent in the original game. This game is set in a time when the human race is just leaving an Earth poisoned by the waste products of war. Some of Earth's populace live in sheltered domes that are protected by a militaristic government known as the Jovian Detention

Authority (JDA). Most people, however, still live outside these domes in tribe-like communities scattered about the world. Collectively, these tribes are known as the Sprawlers. As you may have guessed, they don't get along very well with the soft, protected dome-dwellers.

The story begins on Earth, as the Sprawlers—who are actually the unorganized precursor to the Freedom Guard in DARK REIGN—are trying to break into the domes. From here, the battles move into space onto a variety of colorful, exotic alien worlds and even space stations that showcase the game's HEAVY GEAR II-based 3D engine. Part of the joy of playing DARK REIGN 2, in fact, is enjoying the exotic beauty of the different worlds, and using the terrain features, geography, and even the time of day to your advantage.

#### The Action

Much like its predecessor, DARK REIGN 2 emphasizes infantry units over vehicles, which gives the game an immense amount of personality—especially given the scaleable 3D graphics, which get more and more detailed as you zoom in. Watching grunt infantry units like the Sprawlers' Rumblers grimace and grin as they wage war on the front lines gives the action an extra kick of entertainment, particularly when you're winning.

Some absolutely monstrous vehicles also come into play as you craft prerequisite buildings. The Sprawler's humongous Zeppelin, for example, doubles as an air attack craft and as a unit transport, while the Big Brother is a cool, long-range artillery vehicle. On the JDA side of the battle are vehicles

like the Growler, a slow-moving, frontline vehicle with a massive gun.

Take all these units, pit them against each other, and the advantages of using a 3D engine in this type of game are instantly obvious. Colored light-sourcing, when combined with the 3D terrains, make for some impressive, dramatic battle scenes. During one dramatic mission, my troops were trying to break through a massive gate that protected the JDA encampment. In an epic battle scene, my artillery hammered away at the gate with orange and purple bursts of light, while my infantry units fought it out at the bottom of the gate. This battle drove home the key advantage of 3D terrain: You can move your camera anywhere you'd like at any time, which can make you a better commander.

#### **Padded Landing**

After the first few warm-up missions, you'll engage in the usual variety, from all-out slugfests to smaller puzzle-like quests. In some cases, you'll encounter both types of play within a single mission. You might have to figure out how to free up some prisoners at the start of a mission, and then use the units to set up traditional base-on-base combat.

In most base-on-base missions, your Landing Pad—base headquarters—is the holy of holies. Through the Pad, you order new units, extra buildings, and base improvements that arrive from space via shuttle. One nice touch is the way buildings and base improvements pop out of the shuttle as tiny vehicles and then expand into their full size once they're placed.

The Landing Pad adds an extra dimension of strategy to the game. Because your shuttle has to take the time to go into space to retrieve any goods you've ordered—larger loads take longer to retrieve-you're forced to make tough decisions. Do you wait that one crucial minute you need to gather enough resources to purchase that Repair building? Do you want your shuttle to make a quick run to get the units to defend your baseforegoing the buildings you'll need to gain access to new and better units-in exchange for a faster delivery time?

The game's currency is a resource named Taelon, which players of the original DARK REIGN may remember. A molecular byproduct of terraforming that will be more fully explained this time around, Taelon is gathered with the usual slow-moving, vulnerable Harvester-type units.

Although your units arrive from

# (DARK REIGN was )... a highly innovative title that kind of got lost in the deluge of real-time strategy games two years ago ...







space, the function of buildings in DARK REIGN 2 doesn't differ too much from other real-time strategy games. New structures serve to provide defense for your base, high-powered attacks for your offensives, and to help you gain access to newer, better units. The JDA Air Tower, for example, enables you to call in air strikes at any map-revealed location.

But the Landing Pad is key. In addition to serving as the centerpiece of your base, this building will often be the focal point of your efforts against your enemies. Since taking out this structure means "game over," you'll have to make sure yours is well defended with a variety of turrets, defensive structures, and units.

#### It Don't Mean a Thing...

Snazzy graphics that permit more cerebral tactics and more enjoyable gameplay mean jack squat if a game's interface is no more useful than a one-legged man in an asskicking contest. Realizing this, Pandemic has put as much design effort into how you play DARK REIGN 2 as they have into how the game plays.

The biggest compliment I can pay to the game is that when I first sat down to play a few levels. I didn't need much time to get used to the 3D setting. In fact, I was able to play the game much as I would play any other non-3D game in the genre. I scrolled the map in the appropriate direction by moving my mouse to

the edges of the world. I selected units and simply clicked on where I wanted them to go, and they did it, even if it was way out on the map. Gamers not into rotating, zooming camera angles will probably be able to successfully play the game from the default fixed perspective.

The true masters will take full advantage of the interface's more powerful features. By zooming in and out, you can get a more strategic view of the action. You can also use the full screen strategic-overlay map, or the game's smaller mini-map, to get a two-dimensional look at the land and command your units. Furthermore, you can set hop-to keys and flag markers around a level that will allow you to jump to certain locations with the press of a button.



And then there's the Squad Manager, the most innovative chunk of interface I've seen in the genre. You know how most real-time strat games allow you to create squads by drag-selecting a group of units and control-clicking the numbers one through tere or daily keyman 19516 posterio di attentigi dalli, man abise te

squads directly from this interface. If you want to order your second squadron to explore their surrounding area, click on their button on the right side of the screen and issue the appropriate orders; and-while you're at it-set their tenacity level and check their health, without

even moving to their location. The real kicker is the unit AI in DARK REIGN 2, and it's too early to tell how this will pan out. Subpar pathfinding intelligence will render this feature useless. But if the AI comes through at the level the designers are shooting for, the Squad Manager will allow real-time strategy gamers the ultimate luxury-the ability to easily fight battles on multiple fronts.

## Night and Day

An extra touch that makes DARK REIGN 2 feel like a real, living 3D world, rather than a two-dimensional map that's had some three-dimensional air blown into it, is the presonce of day and night cycles in the canta in addition to giving each misthe or hand or sime and in many later ungency the circadian cycles



#### ONE TOUCH SHOPPING DARK

REIGN 2's interface allows you to quickly per-form a number of tasks, from commanding yo squads to ordering new buildings and units



#### 5 THINGS

#### **Five Multiple Game** Variants in DARK REIGN 2

#### 1. Capture the Flag:

Each player has a flag they must protect. Lose your flag and you're out.

#### 2. King of the Hill:

The first player to get to the top of a hill in the center of the map and control it for four minutes wins.

#### 3. Co-op Play:

Several players control the same base and fight against another team of humans, or work together as one large team against a massive computer opponent. You'll also be able to play through the single-player game in this mode.

#### 4. Blood Bath:

The first player to pick up 100 kills wins.

#### 5. Control Freak:

There are a number of regions spread out around the map. The first player to control all of these regions at the same time wins.

are used to give special abilities to units. The Sprawler's Sub unit (a sniping ground unit used to spending time underground) will have better range and accuracy in the evening hours, and will be able to use a Sniper rifle, Similar is the JDA's Watchman unit, a walking robot with a Seeing Eye weapon that can increase the nighttime line of sight for all JDA units.

Depending on the mission type and scale, day and night will cycle periodically at a varying rate throughout the game. Epic battles will see many moons pass, while shorter, more taskoriented missions may take place during the night entirely.

Are RTS gamers ready to embrace the 3D future? We'll find out in November, when DARK REIGN 2 competes directly with the two biggest real-time games in the genre, AGE OF EMPIRES 2 and COMMAND & CONQUER: TIBERIAN SUN, both of which are rooted in the two-dimensional world. Gan

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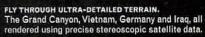
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Like Walt. I Wish I Could Be Like Walt. by Chris Lombardi

n my real life, the distinction between work and fun is easy to make. Getting Jeff Green to turn in his articles: work. Launching pointy projectiles at Jeff Green with the Cavedog catapult tchotchke: fun. But in my gaming life, this distinction isn't so clear, especially when we're talking about a typical "builder" game like Maxis' SIMCITY or Bulldog's original THEME PARK. Building a gorgeous city of my dreams and then setting it aflame: clearly, a blast. But laying 12 miles of sewer pipe? Building my own theme park from the ground up, designing roller coasters, and watching little computer kiddies romp: a good time. Ordering supplies for my concession stands and cleaning up the vomit of queasy kids? This is entertainment software, right?

Designing these games well is a real challenge. You want a game that offers enough flexibility and depth to engage the player's creativity, but not a game that gets bogged down in details and monotonous activity. You want fun work, recreational labor, the joy of creation without

the pain.

The team behind Bullfrog's THEME

PARK WORLD has been plugging away at this fun-work equation for many years now. In addition to the original THEME PARK, they've done THEME HOSPITAL and THEME AOUARIUM (released in Japan). For their next project, THEME PARK WORLD, they've taken all they've learned and created a game that nails the work-play balance to the wall. THEME PARK WORLD is pure game-design gold. Or, in this case, a gold ticket.

#### Midas Touch

The gold ticket is what you're after in this completely remodeled game, the reward you earn for designing a park well and the pass key to more of the game's features. THEME PARK WORLD offers four different motifs for your park design palette: Space, Halloween, Lost World (19th-century explorers and natives), and a "land of the giants" theme right out of Honey, I Shrunk the Kids. Succeed with one motif and you earn a gold ticket and the right to move to the next.

Success in park construction is measured in various ways. There's the thrill factor, of course: Do you have a variety of rides to keep your patrons on a constant adrenaline high? Do your coasters keep them screaming? There are practical concerns: Do you have enough potties and trash cans, and are they accessible yet tastefully tucked away from view? There's the value equation: Do your patrons feel they're getting their

Ordering supplies for my concession stands and cleaning up the vomit of queasy kids? This is entertainment software, right?

dollar's worth from your burgers, balloons, and stuffed animals? And then there's the bottom line: Are you raking in enough dough to finance your R&D and pay your staff of entertainers, maintenance workers, and ride engineers? As in all builder games, you must juggle all of these concerns at once, along with the crises that invariably arise.

Fortunately, you've got lots of help. First, there's a little "assistant" guy, a cross between the Microsoft Office paper clip and Marvin the Martian, who pops up to teach

you about new game features and to help you troubleshoot your park's problems. And if you don't want to deal with every last detail of park administration, you can play the game in a simplified mode that eliminates a great deal of the economic and management concerns.

Even more helpful is the interface itself. If you played the original THEME PARK, you know what a nightmare of poor design and option overload it was. Fortunately, Bulldog has learned a thing or two. In place of endless menus and windows. you have a slick little interface widget that sits in the corner of the screen and expands and contracts to display your options. It's very slick, facile, and helpful. Setting the dozens of

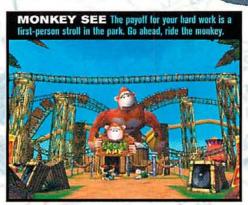
simulation variables—ride duration and speed, food prices, balloon quality, staff training, security level, and so on—is handled with simple slider bars. In addition, Bullfrog has trimmed away some of the tedious and uninteresting game elements from the original THEME PARK design—features like ordering supplies for your concessions, the senseless stock market simulation, and the abstracted competition with other parks.

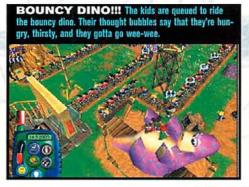
But the best part of the interface is the roller-coaster design component. No advanced editor is needed to build your coasters; just find a free space for the next track support pylon and plop it down. With just a keypress or two, you can raise or lower the track elevation and add twists, banks, and turns. Advanced track segments like loops and

corkscrews must be researched by your engineers, but



once in your design repertoire, they can be added to your coaster with a click of the mouse. You can have a functioning coaster in minutes. Of course, building a good coaster that gracefully wends its way through





your park will take some time, experimentation, and testing.

Testing your coaster is definitely the coolest aspect of THEME PARK WORLD, because you can get into the car and ride the coaster in a nauseating first-person perspective. In fact, you can ride every ride in first-person, watching the world spin on a coaster corkscrew or bouncing up and down with the other brats on the Bouncy Dino. It was all in my head, of course, but I swear I could feel my stomach torque as I hit the bottom of a large coaster dip. You can also just wander the park at will, getting lost in the sea of happy little faces. You'll feel like Walt walking hand in hand with Mickey down Main Street.

# The Happiest Place in Cyberspace

Half the pleasure of creation is the act itself, and half is sharing your work with others. Communities of players have spontaneously formed on the Net around many builder games, but Bullfrog is not going to leave this to fate. They will actively support the player community with a THEME PARK WORLD Web site that will be the place to go to share your parks with other players. You can upload and download parks, stroll around in other people's worlds, and then vote on the best designs. You can even create postcards featuring scenes from your park, and email them to friends without leaving the game. Prizes will be awarded for the best overall designs, the best coasters, the parks with the most visitors, and the most prolific designers.

Bullfrog plans to release new themes and rides online, and may even publish their ride design tools so that dedicated players can get even more creative. The exact details of the design tool plan are vague as yet, which worries us, since we've seen these kinds of after-the-game promises fall through again and again. But all we can do is hope (and send plenty of pleading postcards to the game designers).

Knockout graphics, painless interface, online support, and a design that's up with the fun stuff and down with the tedium: Bullfrog has a builder game here against which all others will be compared. How your park compares to others remains to be seen. Show me yours, and I'll show you mine.

# 5 THINGS

# Five Worst Headaches of the Park Proprietor

1) Bad Weather Visually, stunning. Financially, crippling.

2) Those Damn Unions
You've got to keep your employees happy. If you don't, they'll
strike and picket your entrance.
And there's nothing worse for
business than your Dinky the
Dinosaur mascot spitting on

scabs in front of the kiddies.

### 3) Ruffians

Bored troublemakers will hassle other kids and knock over your entertainers. Security guards and cameras may help.

### 4) Broken Rides

Nothing's sadder than a Bouncy Dino that's lost his boing. All rides have life spans that can be extended through research, investment, and maintenance.

5) An Empty Park
The price has to be right for the
quality of your park or the kiddies won't show. Nothing's sadder than a Bouncy Dino with no
one to boing.

"...the ghouls overwhelmed the hero, clubbing him with their own severed limbs before feasting on his guts. And that was right about the time we knew we couldn't wait to play Nocturne: This game will be causing some hellacious nightmares later this year."

- Computer Gaming World

"It is unforgettable, astonishing, and teeming with riveting visual realism. Yet behind the rich lighting and gossamer fog is a timeless sense of adventure. This is gaming at its best."

- Adrenaline Vault



It is 1933, and in the shadowed world around you there exists an ungodly evil; werewolves, vampires, ghouls and flesh-eating zombies that wait just outside the light's unlocked door to feed upon innocence. There also exist guardians of the good and just, tireless vigilantes capable of tracking down this evil and turning it upon itself. You are one of them. And you hunt, as your vile quarry does, by night.

# NOCTURNE

a new years of game is born.

UNLEASHED HALLOWEEN 1999



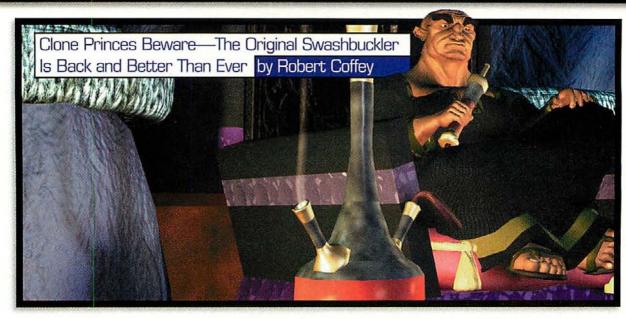


WARNING!

This game contains strong scenes animated violence, language and nudi Suitable for mature audiences only.

)

But they come out only when the sun is spent. They are like roaches. Where there is in one, there are hundreds. Beneath you in your walls, in the shadows, waiting for darkness to open their doot. And like roaches, they are surphous. Nuclean holocoust, ice ages, drought, famine, the Spookhouse will not wise them out. will not wipe them out.



# **Prince of Persia 3D**

f Red Orb's smart, they'll ship PRINCE OF PERSIA 3D with a complimentary pair of steel-toed shoes. That way they won't be liable for the broken toes resulting from gamers' jaws dropping as they ogle the drop-dead gorgeous graphics, the richly imagined envi-

ronments, and animation so incredibly fluid that it should set a new standard in the third-person action/adventure genre. As for what will almost assuredly be insanely addictive gameplay, well, there's always methadone.

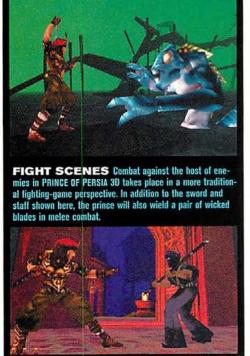
The PRINCE franchise has grown

from a simple sidescroller to a full-blown 3D extravaganza, with a corresponding growth in the design team. About 25 artists, animators, and level designers are working on the title, a far cry from the creative "army" responsible for every aspect of the landmark 1989 game: one-man band Jordan Mechner. While having the input of so many creative voices has its obvious benefits, the danger is in losing the singular vision that enchanted gamers 10 years ago. Fortunately, that doesn't seem to be the case as PRINCE 3D is blossoming into one of the most fully realized gameworlds burned onto a CD-ROM.

# Magic Carpet Ride

And what a gameworld it is, taking place across seven sweeping environments, all of them beautifully lit and painted in a wash of almost impossibly saturated colors. As the beggar prince, gamers will scamper across starlit city rooftops, execute harrowing jumps over a series of jagged cliffs, and escape from a dank prison. Great stuff to be sure, but what promises to be the game's real showstoppers are the dirigible levels in which the prince must tenuously work his way up a palatial airship borne by three mammoth balloons, negotiating the dizzying assortment of ledges, tethers, and whirligigs while the dirigible whizzes along at a heart-stopping altitude.

No less striking is the game's animation. While a gymnast was

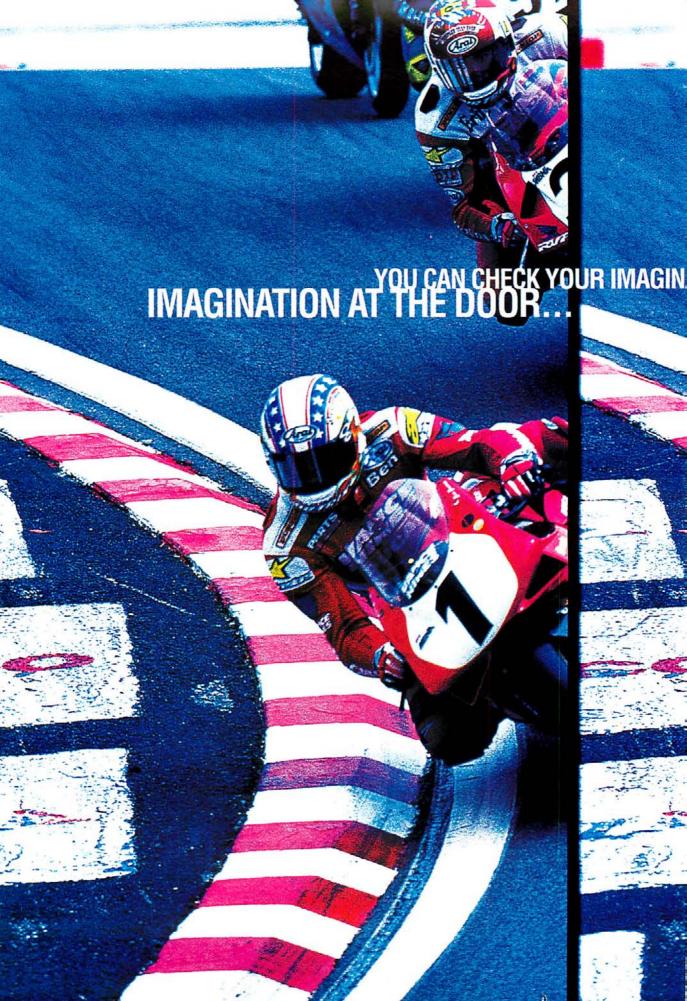


PRINCE OF PERSIA 3D

GENRE: Action/Adventure RELEASE DATE: Q3 '99
DEVELOPER/ PUBLISHER: Red Orb Entertainment
CONTACT: www.mindscape.com

The Prince franchise has grown from a simple







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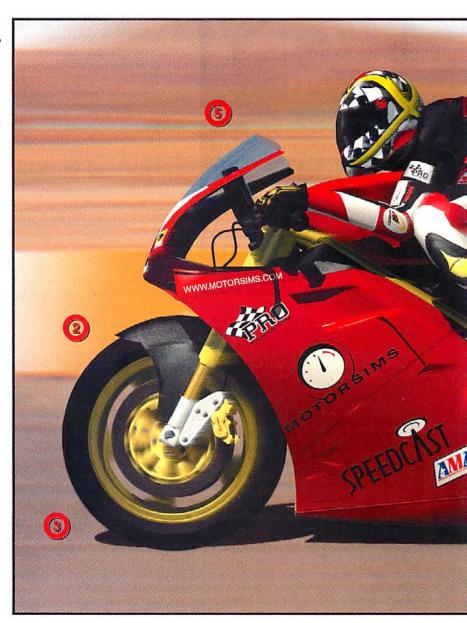
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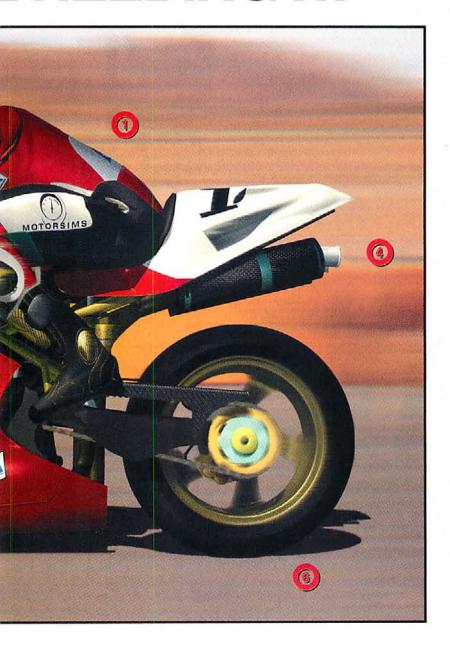
- Games.net

"A total focus on realism. . .
race fans had better keep their eyes on this."

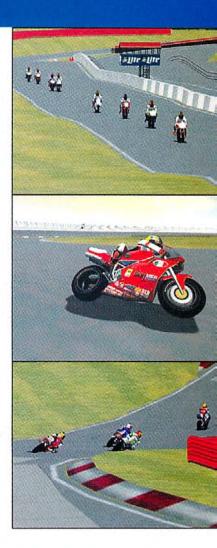
- Next Generation Online

"A very true-to-life physics model and all of the elements you would find In an AMA event." - PC Gamer

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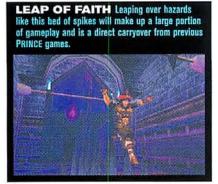
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motion-captured executing various moves, none of that motion capture is being directly used in the game; instead, it's being employed as a template for the Prince's actions. This lets the designers create a character who moves realistically—turning by leading with his head, for example—but also with the flair and embellishment that are inherent in traditional animation. The end result is a character who can leap with incredible realism while enjoying the incredible unrealism of a five-foot vertical jump.

The combination of gameworld and animation really shine in the combat sequences. The prince will have four weapons, including three close-combat weapons (sword, staff, and double blades) and a bow. The control scheme is remarkably simple, especially for a game that stresses the strategy of sword fighting over simple twitch ability. Gamers will have to pick the appropriate weapon, then sculpt attacks, feints, and blocks into a piece of strategic combat art. Each combat weapon has combos to learn and each also features up to five different finishing moves (see sidebar).

The exception to this rule is the game's only long-range weapon: the bow. But while it has no combos or finishing moves, the bow does have an arsenal of nine magical arrows at its disposal. The Water Freezing arrow, the Blue Fire arrow, and the Lifestealer are not only weapons but also keys to solving puzzles. The Charmed Lights arrow has no offensive capabilities at all, but it can be used to draw the attention of enemies, allowing you to sneak past them.

# Arabian Knights

Picking up where the last game left off, PRINCE OF
PERSIA 3D opens with the Prince's new bride being kidnapped by the evil Hassan in order to marry her off to his
corrupt son Ragnor. Thrown in prison, the prince must
escape and, of course, rescue his love. True to the spirit of the
series, the prince starts out unarmed and must find a weapon
while dodging the diabolical traps that fill the game.

You'll never be stumbling blindly through the levels; be it through brief cut-scenes or other clues, you'll always have an idea where you need to go and roughly what you'll need to do to get there. This approach carries over to the trap design as well; while there are loads of hazards like guillotine doors, decapitating blades that spring from walls, and pillars that suddenly drive up from the floor to impale you on spikes set in the ceiling, the cautious player can pick up clues to avoid the traps. It's a happy break from the school of game design that alerts you to trap location by killing you.

There is no inventory system, though there are items such as keys that must be found and used. But instead of forcing you to fumble through an inventory screen to use the key, the game will know that you have it and just unlock the door.

The only drawback we see to the lack of inventory is in the handling of the potions. These magical elixirs pepper the gameworld and give the gamer temporary powers such as camouflage, featherfall, and increased attack power. While these will most likely be placed right where gamers will most need them, the inability to carry healing potions for later use could rankle some gamers. It's the only potential weak point in a game we are frankly dying to play.

# 5 THINGS

# Five Best Finishing Moves in PRINCE OF PERSIA 3D

# 1. The Backhand Plunge

The prince slashes his enemy with his sword and then, turning away from his opponent, drives the blade with a backhand move into his gut.

# 2. The Neck Twister

The prince wraps his staff around his opponent's neck, turns, and shakes the guy like a rag doll until things start snapping.

### 3. The Tear

With the double blades, the prince stabs both blades into his opponent, gives them a little twist, then tears them apart.

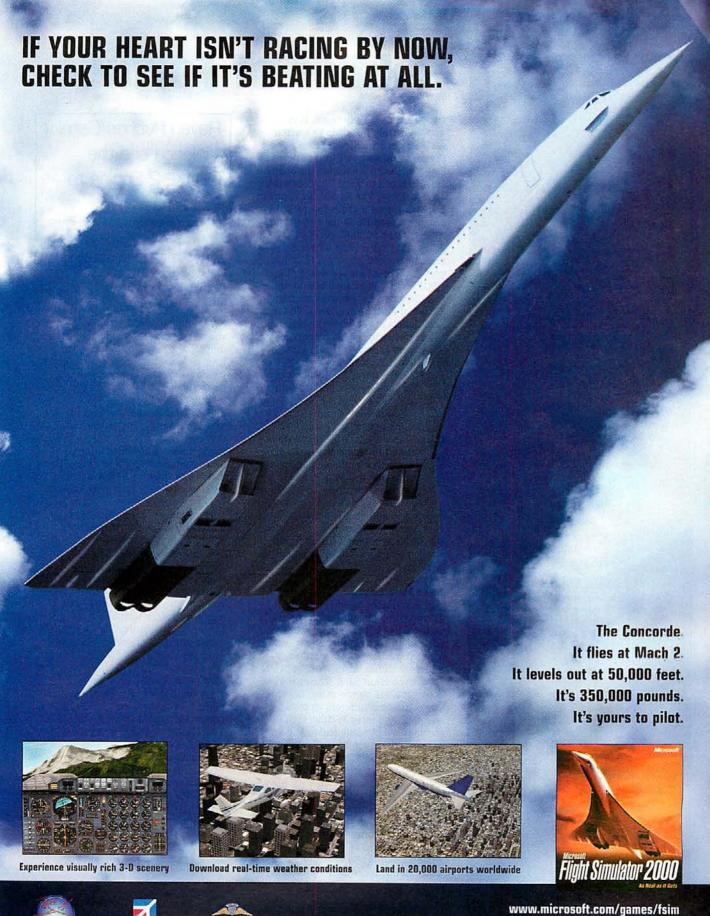
### 4. The Chest Thrust

The prince tosses his sword in the air, catches it, and drives it down into his opponent's rib cage. Then, in a very nice animation touch, he has to brace his foot on the guy in order to pull his sword out again.

### 5. The Back Skewer

The prince spins toward his opponent, hitting him multiple times with the staff in the process, and finally smacks it into the base of his spine with a satisfying snap.









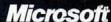




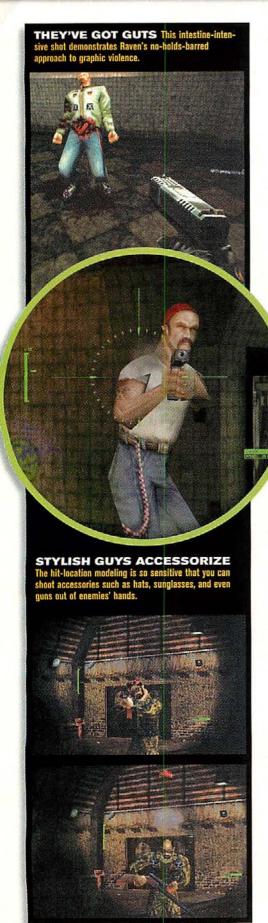








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# **Soldier of Fortune**

ard as it may seem, it is entirely possible to switch from a medieval fantasy theme to pulse-pounding action.

Paul Verhoeven went from the obscure Flesh & Blood to Total Recall and managed just fine. The Raven development house has done a spells-for-guns exchange program in their shift from HERETIC II to SOLDIER OF FORTUNE (SOF), all while hoping to retain the same fast-paced gameplay that first-person shooter fans are looking for.

SOF casts you as John Mullin, the real-life mercenary consultant from Soldier of Fortune magazine. The exact plot details are still being worked out, but essentially, you'll be hopping

around various hotspots-Iraq, Siberia, Kosovo, New York?-to take on terrorists. Raven is going for the feel of a blockbuster military action movie like The Rock or Navy SEALS, and the focus of the gameplay is the fastpaced firefight. Mullin consulted on the project to make sure the tactics of the enemy opponents and the general feel of the game were accurate, so expect high risk (one or two shots can kill both you and your enemies) and fast and furious gunplay. The various levels will have different mission goals, ranging from sneaky assassinations to balls-out showdowns.

### Just a Flesh Wound

The character design is the most drastic improvement Raven has made on the QUAKE II engine. Just because you're fighting other humans doesn't mean you'll be fighting endless armies of clones, as in WOLFENSTEIN 3D or even HALF-LIFE. The character body type will be the same, but there are a variety of different clothes, weapons and faces to differentiate the enemies. What really makes the enemies stand out are the injury and animation systems. Wound location is modeled to an uncomfortably accurate degree. Not only can you individually target body parts, but the hit location system even allows you to shoot between an enemy's legs. For the character animations, Raven has motion-captured sequences for each wound location; hit someone in the neck, and he'll clutch the wound in agony, or go for a groin shot to watch him writhe in misery.

The wound modeling and animation will surely be controversial. Even I was shocked the first time I saw a shot that severed an enemy's leg at Raven Pushes Gaming Violence and the QUAKE 2 Engine to Extremes

# by Thierry Nguyen

WARLORDS BATTLEGRY
GENRE: 3D Action RELEASE DATE: Q4 '99
PUBLISHER: Activision
DEVELOPER: Rayen Software

the thigh, and could actually see the shattered bone stump sticking out. In deference to the current controversy over violence in gaming, Raven will include a special parental lock. At press time, they were still deciding whether the lock will be "all or nothing" or have gradual settings. At its maximum setting there is no blood, dismemberment or screaming, resulting in enemies literally rolling over and dying. Also, there will be civilians in some of these missions, and you will automatically lose if you accidentally shoot one.

The weapons list includes several standard real-world weapons that you've seen in countless magazines and movies. At press time, there are some licensing issues with the names of the guns, so while you may not be officially using, say, the Desert Eagle, you'll be using a differently-named gun with similar characteristics. Also in your arsenal will be two AI mercenaries who will provide support in key missions.

# **Multiple Ways to Flay**

For multiplayer, Raven is thinking of adding a variety of new game types to stand beside traditional deathmatch. There's Assassin, where every player is given a specific player to kill, and upon success is given a different player, until everyone in the game has been fragged. There's also Arsenal, where the winner is the first person to score a frag with every weapon (no more rocket hogs).

While SOF may have deviated from the original design concept (as reported in April), it still looks like a very solid game. It's a direct foil to the military sims featured in our cover story, but if you're craving some hard-boiled, movie-style military action—and have the stomach for extreme gore—look for SOLDIER OF FORTUNE when it hits shelves this November.

# PREPARE.





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3D0<sup>™</sup> www.mightandmagic.com

# **Warlords: Battlecry**



KNOW THYSELF This guy greets you before every BATTLECRY campaign. You begin by deciding on a hero character to lead your troops. Gameplay will be influenced heavily by the attributes and abilities of the hero you create.

ometimes, in order to grow, you need to branch out. If you're Mel Gibson, you direct; if you're Jennifer Lopez, you sing; and if you're Gary Coleman, you become a rabid, fan-bashing mall cop, enduring an endless chorus of shoppers shouting "Watchoo talkin' 'bout, Willis?" as you safequard the sanctity of the Orange Julius. Obviously, moving away from the tried and true is fraught with both inherent dangers and rewards-precisely the challenge facing the designers of WARLORDS: BATTLECRY as they move the venerable, turn-based Warlords franchise into the brave new world of real-time strategy.

# Something for Everyone

A funny thing happened in focus testing-Red Orb found out that next to the WARLORDS games, their very loval fan base rated the real-time AGE OF EMPIRES as their favorite

game. This inspired SSG to fold everything that makes WARLORDS what it is into a real-time format, complete with harvesting

resources, building structures for troop upgrades, and churning out armies made up of the game's 56 units. What will separate BATTLECRY from the real-time pack will be robust RPG elements.

While your individual units improve with every battle won, the real RPGstyle ability juggling comes into play with your commanding hero. Your avatar will be generated at the start of the game when you select your race, gender, and class. Each of the 16 hero types tasks you with assigning points to standard character attributes: intelligence, strength, charisma, and dexterity. Under each of these primary attributes lie four sub-skills that thoroughly determine the shape of your character as you apply the experience points gained in battle. Want a truly killer fireball? Then beef up your fire ability under your intelligence rating. Experience points are also used to purchase new

spells after battle, adding another strategic level to gameplay. Do you go for that nifty ice spell, or pump up your charisma for a morale bonus?

With all the options players will have, experience points are bound to be precious. Happily, SSG is using the quest feature from the turnbased games in BATTLECRY. This will let gamers go on subquests during campaign missions, managing their troops from afar as they seek to garner even more experience points. This should add another tactical layer to combat as gamers weigh whether their troops can manage without the bonuses and spells hero leaders provide.

Graphically, BATTLECRY is shooting to be as pretty as AGE OF EMPIRES II. They're off to a good start, but the units could still use a little work. However, the terrain already looks nice thanks to a very large tile size

that allows the level designers to create worlds with much more detail and significantly less repetition than your average RTS title. Real-

time lighting and weather effects such as rain won't have any effect on play, but should add lots of ambience.

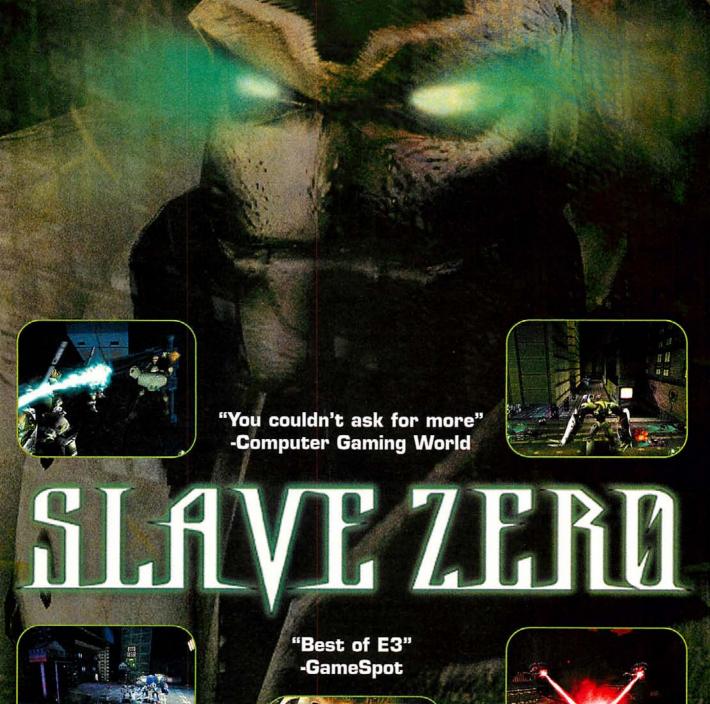
Will WARLORDS' name recognition be enough to launch BATTLECRY to the top of the real-time heap, or will its turn-based legacy hamper it in the marketplace? It's tough to say, especially once 500-pound gorillas like HOMEWORLD and TIBERIAN SUN are on the shelves. Ultimately, it may come down to how well it fits its fantasy niche and matches up to TOTAL ANNIHILATION: KINGDOMS and the upcoming AGE OF WONDERS. GTT



# 5 THINGS

# **Five Other Fantasy Strategy Games Worth Checking Out**

- 1. HEROES OF MIGHT & MAGIC II and III
- 2. MASTER OF MAGIC
- 3. DUNGEON KEEPER 2
- 4. FANTASY GENERAL
- 5. MAGIC & MAYHEM





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wants in on the action. After the success of Origin's and Sony's online role-playing games, it wasn't long before Microsoft made its play. Just as I was ending my EVERQUEST binge, an ASHERON'S CALL (AC) beta landed in my hands. While Microsoft's RPG has many trappings of a traditional RPG, it is by far the most original of the three big massively-multiplayer RPGs.

Character generation is similar to other games, but here there's an additional level of detail. While other games let you pick your character's face and clothing colors, AC lets you pick all the individual components of the

face and clothing. The AC design team wanted to make sure that every gamer has a chance to make a truly unique character, rather than a cookie-cutter clone. Characters are skill-based rather than class-based; gamers can use either a default template like "warrior," or choose which skills the character will focus on.

You then pop into Dereth, the game

world. One of the big features being touted in AC is the lack of zones; you can walk from one end of Dereth to another without seeing a load screen. And don't expect a short walk either, as Dereth has over 500 square miles of terrain. For faster travel, there are teleportation portals scattered around the landscape. Entering dungeons will be the only time you'll have pause for data transfer, and it's barely noticeable. Since all dungeons are small downloads, it'll be simple for the design team to seamlessly add new acreage.

# Murder, Madness, Mayhem, Microsoft

ASHERON CALL's combat will make some innovations. The design team is straying from the traditional "click-until-your-mouse-dies" style of combat by adding additional tactical elements. Your enemies will vary in height, so your combat menu will have additional buttons denoting high, medium, or low attacks. You'll have to deal with high-flying wasps, and you'll have to decide whether or not that Drudge's head is less protected than its chest. In addition, you'll have a slider bar that determines how fast and powerful your blows will be. Speed and power have an inverse relationship, so that you can opt for quick, weak attacks or strong, slow ones.

The design will also breathe new life into the death experience. There are Life Stones scattered throughout Dereth, and you can bind yourself to any of these; once you die, you'll be resurrected at the last stone you were bound to. Upon resurrection, you'll lose half your money and your most valuable item. Finally, you'll suffer a five percent penalty to all your skills and stats. This penalty fades as time goes by, but if you die again, well, those penalties start to add up. It's an interesting compromise, in that while you do get penalized, it's not as harsh as other games where your items are with your corpse and you must retrieve them.



How Does a 500-Pound Gorilla Design an Online Role-Playing Game? Any Way it Wants To.

by Thierry Nguyen

# **Asheron's Call**

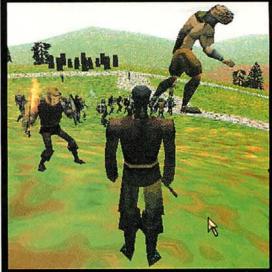
ASHERON'S CALL

GENRE: Online RPG • RELEASE DATE: Q4 '99

PUBLISHER: Microsoft

DEVELOPER: Turbine Entertainment Software

FEE FI FO FUM This giant Monouga is an example of the unique creatures in ASHERON'S CALL, as the design team has eschewed traditional fantasy critters in order to be original.



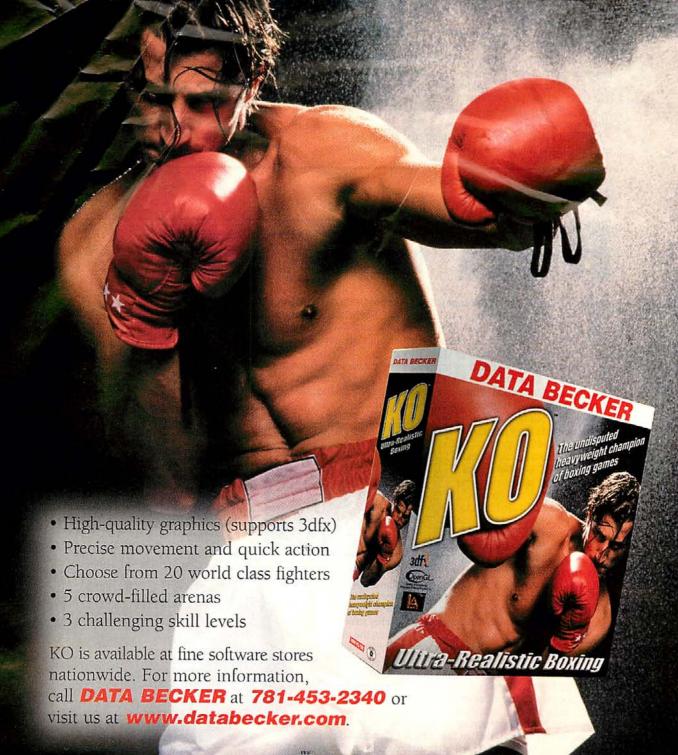
# 5 THINGS

Five ASHERON CALL Commodities Most Likely to Be Sold on eBay

- 1. A 100th level character with a rank of High King.
- 2. A character with a complete list of spell formulas.
- 3. A complete set of annotated dungeon maps.
- 4. A complete list of portal locations.
- 5. A million pyreals in trade notes.



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As for player-killing (PK), everyone will start in non-PK mode. In order to become a PKer, you need to go out on a specified, medium-difficulty quest. Once that is done, you can only attack other PKers. If you then change your mind, you'll have to finish a harder quest in order to return to non-PK mode; be committed to whatever choice you make.

# Merlin Sells Amway

The magic system is also unique, in that it will allow for player experimentation, and creation, of their own spells. Spells are based on physical components, player gestures, and incantations. Spell power is drawn from a general worldwide pool, so that the more people who cast a spell, the less power it has—it's advantageous for a player to keep his or her new

spells secret.

Finally, if you had to name one thing that makes AC truly unique, it's the Allegiance system. Think of it as a



medieval pyramid scheme, where players can be patrons and recruit vassals; each vassal can become a patron by recruiting more vassals under him. Each vassal will add to his patron's rank within the Allegiance, in addition to generating experience that will be given to the patron. In a way, level-one character Joe Fairy's slaying of a rat will generate experience up the chain, all the way to his King. Now, whenever a character leaves, all vassals under him leave also, so patrons need to keep their vassals

happy (by giving them rare items, for example). In the Allegiance system, higher-level players attempt to recruit newbies, rather than try to kill them.

All in all, Microsoft isn't entering the online field with a hack job; it's committing to a truly unique game within the genre. If nothing else, it will be interesting to see the social dynamic of the Allegiance system at work once the game hits the shelves this winter.

# NOX

Westwood's Multiplayer May Challenge DIABLO by Thierry Nguyen

o our jaded eyes, NOX looks like a simple DIABLO ripoff. But after playing a few multiplayer sessions, we have to say that NOX has plenty to distinguish itself from the DIABLO-clone masses.

The backstory here is that your name is Bob, and one day you're zapped into another dimension. After choosing to be a Warrior, Conjurer, or Wizard, you embark on an 11-mission crusade against the evil Hecubah. Each character class has a different set of missions, with 33 total. Westwood is now tweaking the single-player campaign to make sure it feels different depending on your class.

When NOX really shines is during multiplayer. The three classes are well-balanced against each other; the Warrior is the straight "point-and-click attack" fighter, who can use his shield for protection against magical spells. Meanwhile, the Wizard has an array of traditional spells, complemented by those that focus on teleportation. Lastly, the Conjurer has a spell arsenal concentrating on

summoning monsters, and can also wield some ranged weapons.

While the character balance is very well done, what's even better are the spell traps and combinations. Both the Wizard and the Conjurer can string three different spells together to create a particular combination—such as a Wizard teleporting the target into an open fire, blinding it, and then dropping a giant stone fist on it. With about 40 spells to choose from for each class, there will be lots of opportunities for new and more devious combinations. This feature alone makes NOX multiplayer a great ride. Not only will there be deathmatch, but there will be specific multiplayer scenarios, such as King of the Hill or Capture the Flag, all supported on Westwood Online.

There are other features that make NOX a standout, but what really drew us in were the spell combinations and character-class balance. While there will be many DIABLO clones, we'll probably be too busy dropping giant stone fists on each other—in NOX—to notice.



HOX

**GENRE: RPG** 





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# **Command & Conquer: Tiberian Sun**

We visited Westwood Studios and locked ourselves into a tiny, dark room for days with just one purpose—to play the hell out of C&C: TIBERIAN SUN and find out if it will live up to the hype.

by Robert Coffey and Tom Price

he most hotly anticipated real-time strategy title of the year, COMMAND & CONQUER: TIBERIAN SUN will hit shelves burdened with the crushing weight of the high expectations of gamers. After the enormous popularity of both C&C and RED ALERT, what could Westwood do to top themselves, let alone to stand out in the most crowded genre in gaming? What will set TIBERIAN SUN apart from the pack?

The world is huge and dangerous, an active player in the game.

The action is blistering.

The units are alternately brutal and devious.

So will it be worth the wait? The answer is a resounding "yes."

After days filled with nothing more than the relentless playing with a days-from-finished build of TIBERIAN SUN, we can report that while it won't be the huge leap forward in the RTS genre that STARCRAFT was, it's a solid, compelling game in its own right and on its own terms.

# KANE LIVES IN DEATH. NO, REALLY, HE DOES.

It turns out that Nod's megalomaniacal leader Kane may not have actually died at the end of the last game. That's bad news for the law-enforcing Global Defense Initiative, who are now faced with suppressing another NOD assault. This conflict is played out over two entirely separate campaigns which can run anywhere from 12 to 19 missions, depending on how many optional missions a player takes on. Unlike other games which try to tell one huge story through numerous mini-campaigns, TIBERIAN

SUN tells two distinct stories, with each side successfully

driving toward victory. Elaborate video cut scenes between missions tell both stories with Hollywood stars like Michael Biehn and James Earl Jones slumming in key roles. As well done as they are, it can be a little hard to take the videos seriously, what with hordes of Nod true believers chanting "Kane lives in death!" and a chesty, crosseyed mutant named Umagon with tiberium sprouting from her forehead.

While there are a slew of new features in the game, players will find much that is familiar. The iconic construction interface is still fundamentally the same, though up to five units of both infantry and vehicles can be queued up for production.

Unfortunately, although TIBERIAN SUN sports an incredibly robust waypoint system, units still simply spill out and collect at the door of their production center, since you cannot set rally points.

The campaigns are broken up into both production and non-production missions, with a few hybrid missions that ask you to seize an area

with limited forces and then build a base. The GDI undertake more non-production scenarios than the Nod; for example, one GDI mission charges you with destroying a dam, following a fairly-fixed winding path through the map. After clearing each big Nod defensive position, a transport arrives bearing fresh units. This mission is also indicative of the branching structure of the campaigns—completing it makes a subsequent mission easier. These missions aren't required; you can choose to skip over them, but the following missions are so difficult that most gamers will want the edge that completing the optional scenarios gives them.

The campaigns are welldesigned and consistently challenging, with frequent surprises. For example, one Nod mission asks you to employ your newfound mutant allies to eliminate a small GDI presence before setting up a base to prepare for a larger assault. Typically devious Nod planning results in a royal backstabbing of the mutants who then turn on you, suddenly forcing you to deal with an enemy that is more than likely hovering around your base. A few of the non-production missions fall flat, unfortunately; in particular, one Nod rescue mission hinges more on stumbling across the right path than on tactical ingenuity. Still, we expect most players will be happy with both the length and challenge of both campaigns, as well as a cunning AI that is as likely to launch a full-scale assault as to distract you with a distant skirmish so it can surreptitiously capture your base structures with engineers.



MOTOR POOL Even though TIBERIAN SUN features a great waypoint system, the game's lack of rally points means your vehicles and infantry still bunch up outside the buildings that produce them.



A BRIDGE TOO FAR Heated

battles on bridges not only look cool, but



With all the nesty Nod stealth units, mobile sensor arrays (next to the reticle in this shot) are an absolutely essential part of safeguarding your base and masses of units prior to an assault.

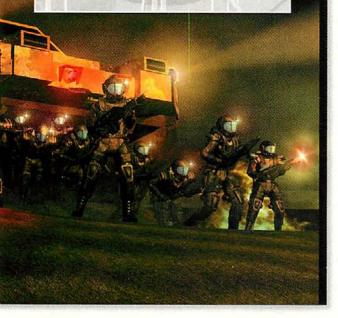
DEEP IM PACT As if dealing with the Nod and GDI forces weren't hard enough, random events like this devastating meteor storm make the gameworld even more dangerous.

# DIVIDE AND CONQUER

More than ever, there are significant differences between

# WHAT'S NEW?

- Unit veterancy rewards players for keeping units alive with better attack and occasional special abilities.
- Robust waypoint system allows for multiple patrol and guard routes.
- Terrain reflects battle damage and lets players strategically blow up bridges and collapse tunnels. Ice floes spanning rivers will crack under the weight of heavy units, sink the units, and then refreeze over time.
- · Random map generator for multiplayer action.
- Random ion and meteor storms that damage or shut down units add another layer of strategic complexity.
- Mobile sensor units detect cloaked or burrowed units.
- Subterranean units allow for devious base assaults.
- Tiberium-based plants and animals present new hazards.
- Blue tiberium, more valuable than the standard green variety, lets players collect money faster.
   The unstable nature of the substance means that firefights taking place on blue tiberium fields can end in devastating explosions.
- While other infantry units take damage in tiberium fields and can eventually turn into vicious tiberium-based creatures, cyborg commandos actually heal in tiberium fields.
- Unit production queuing.
- Base cloaking technology lets Nod commanders hide in plain sight.
- Includes both hostile and friendly mutant units and civilian vehicles.
- Colored lighting makes for a much more visuallyinteresting battlefield.



the Nod and GDI unit sets. The GDI leans heavily on massively-armored units capable of dealing punishing amounts of damage. Mech-like units such as the Wolverine, Titan, and the vicious Mammoth Mark II make for devastating assault forces in numbers. The GDI is all about classic tactical stratagems, relying on pincer maneuvers and straightforward, withering assaults to beat their opponents. Even their infantry units are powerful, with grenade-lobbing Disc Throwers and Jump Jet Infantry that can hover across the rivers and streams that lace game maps.

The Nod, on the other hand, are just plain evil. Relying on stealth and surprise, the Nod units will probably hold the most appeal for gamers. Burrowing units like the Devil's Tonque Flame Tank or Subterranean APC let Nod commanders pop up in enemy bases to wreak havoc, while Stealth Generators can be built to conceal entire Nod bases. We found that hit-and-run tactics that disrupt enemy production are an especially effective tact to take in multiplayer games; in fact, the Nod can win multiplayer matches without ever launching a typical full-scale assault, thanks in large part to their devastating Chemical Missile. By harvesting veins of tiberium, Nod forces can create warheads that unleash clouds of horrible tiberium waste, mutating enemy forces, destroying their buildings, then spreading a toxic vapor that turns its victims into mutated visceroids that attack anything near them, including former comrades. Few weapons have said "Screw you" more effectively.

The visceroids are just one part of a landscape that is as much a part of the game as other players or the AI. Bridges can be blown to shut down avenues of attack; tiberiumtainted creatures and mutants will attack both sides; huge sucking maws (like DUNE 2's sand worms) gobble forces that try to cross plains veined with tiberium; frozen rivers can be crossed by lighter units; and fields of tiberium will poison human troops or, in the case of blue tiberium, explode under fire. Ion storms shut down technology-based units while showers of tiberium meteors re-seed the land with tiberium, but could contaminate or wipe out entire bases. All of these things add challenges for gamers both to avoid and to exploit, especially in multiplayer.

## **BALANCE AND POWER**

We went into our marathon playfest with some skepticism. First off, we couldn't understand why flying units couldn't penetrate unrevealed portions of the map. Westwood's reasoning was that airborne units can scout out too much of the map in multiplayer games and throw the balance out of whack. While we fully expected to hate this choice, we found that it wasn't really an issue—flying units are far enough down the technology tree that if you hadn't done extensive scouting by the time you were ready to build them, you were probably dead anyway. While this will still infuriate some gamers, we're now convinced it shouldn't be too important.

We were especially heartened by the efforts being made to halt the tank rushes that plagued previous C&C's in multiplayer. The most significant change comes in unit production—multiple production buildings no longer supercharge your production rates. While you'll get a slight production bonus with a second war factory, anything after that is just a waste of money. Also, Electromagnetic Pulse Cannons will literally halt a tank rush in its tracks. With every unit having a counter on the other side, players are going to have to develop new tactics and constantly re-evaluate their strategies in order to crush their opponents.

Unit veterancy is an interesting new idea, with units gaining improved attacks and, in some cases, new abilities after inflicting so many enemy kills. But this cool idea may turn out to be irrelevant. As cool as it is to have your veteran Rocket Bikes suddenly gain the ability to attack aircraft, the "expendable horde" play that dominates RTS games



# system shock.

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AND DESCRIPTION

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You wake aboard the Von Braun with a mind-altering implant in your brain and no memory of recent events. As you wander the dark, eerie decks of the derelict spacecraft, you discover an alien material is slowly taking over the ship — feeding upon the flesh of your former comrades, leaving zombies and corpses in its wake. Behind the engulfing terror, you sense the presence of the evil cyber-being, SHODAN. She is seductive and sinister. And she pulls all the strings in the most chilling role playing game ever. Enter Shodan's terrifying world to discover her ultimate plan — or die trying. For all the gory details, visit www.lglass.com

may lead this feature to be largely overlooked.

As much fun as the campaigns were, the real test of this title will be in the multiplayer game, and at the time of our visit it wasn't quite up to the test, crashing whenever more than two players joined a game. While we expect this to change, we have a few concerns about the game balance in the multiplayer arena. As powerful as the GDI units are, they're slow and seem to be at a distinct disadvantage against the stealthy and disruptive NOD forces, especially the Chemical Missile. In at least one-on-one contests, a well-fortified Nod base hurling Chemical Missiles seems assured of winning almost every time. As much as Westwood seems to want to avoid rushing, it would seem the GDI might have to lean on early assaults

to stay in the game.

In spite of our concerns on these points, TIBERIAN SUN seems assured of a long, healthy life on the hard drives of gamers. The single-player game is looking extremely solid, with a pair of bruising, incredibly addicting campaigns highlighting the strengths of both factions.

Multiplayer contests might be cause for some small worry as the Nod seems to have an edge over the GDI, but the great assortment of units on both sides, a fantastically customizable random map generator, and the hardcore, militaristic flavor of multiplayer combat should create a nonstop flood of games on Westwood Online.

The bottom line is simply this: Just days before completion, COMMAND &CONQUER: TIBERIAN SUN is a stronger



RED SKIES AT
NIGHT Deformable
terrain and colored lighting may not impact gameplay, but dang it, don't it
look good.





breach dump fe bases.

APCs let them easily breach GDI defenses to dump forces inside enemy bases.

the lon Cannon and
Obelisk of Light are back
to decimate your friends
and loved ones in multiplayer skirmishes.

# THE FINAL HOURS OF TIBERIAN SUN

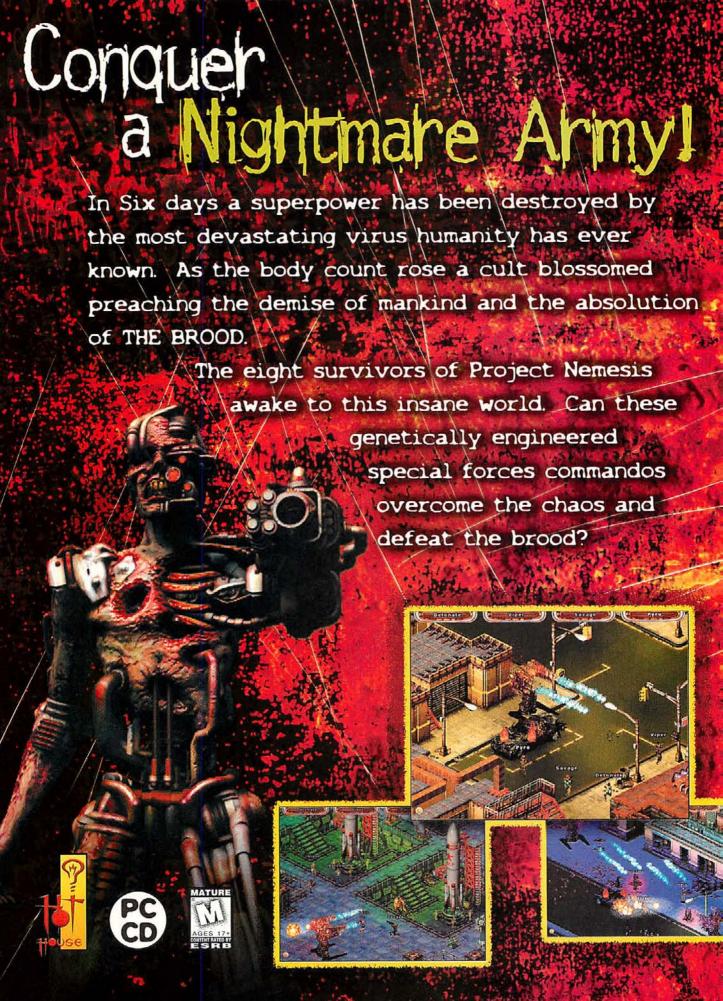
n a sweltering July afternoon off freeway exit 82B in Northwest Las Vegas, producer Rade Stojsavljevic walks into conference room three at Westwood Studios, bug list in hand. Once 40 pages long, the list now contains only a few dozen items. To lead designer Adam Isgreen, and designers John Archer, Michael Lightner, and Patrick Pannullo, it's the telltale sign that COMMAND & CONQUER: TIBERIAN SUN is almost ready to ship. "We just fixed the bug where the GDI Orca Carryall could use its grappling hook to pick up enemy troops and transport them," says Stojsavljevic with a slight grin on his face. The designers all crack up, their laughter spilling into the building's corridors.

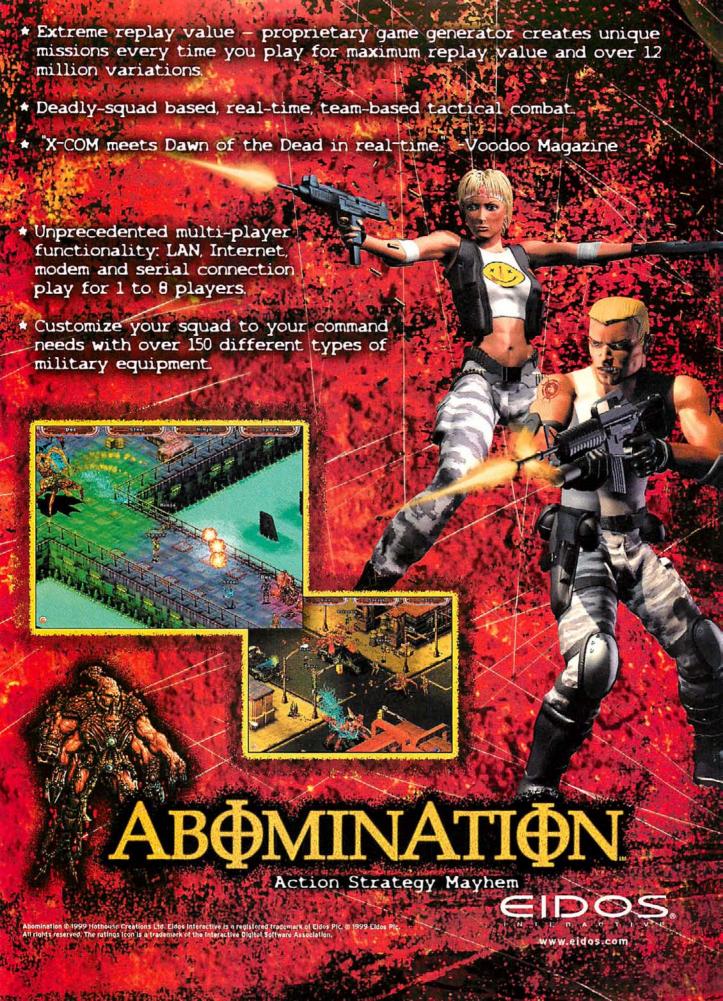
Down the corridor in his office, Executive Producer Brett

Sperry sums it up: "We're probably going to be done within 48 hours. It's just surreal—four years of our lives and it's all coming down to this." For Sperry and his team, building TIBERIAN SUN has been a "Herculean task," commencing just days after the original COMMAND & CONQUER shipped in 1995. Since then, a talented group of programmers, designers, and artists challenged themselves to build a sequel worthy of the C&C name. "Even the smallest call, like whether the Jump Jet Infantry should be able to be fired upon by Nod lasers, is an incredibly important balance decision," explains Sperry. "We really wanted to reinforce the whole Achilles' heel concept so that every single strategy has a counter strategy others can figure out."—Geoffrey Keinhley

Excerpted from GameSpot's Behind the Games: Tiberian Sun. For more on the chaotic final 48 hours of TIBERIAN SUN's life, including exclusive interviews with the game's designers and a few hints about the future of the C&C series, check out: www.gamespot.com/features/btq-tsun.









# PGL OFFICIAL NEWS UPDATE

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The First Pro Sports League for the Computer Gaming Crowd

# PROPS to the Spring '99 Winners!

THE GUILLEMOT CHAMPIONSHIPS OF THE AMD PROFESSIONAL GAMERS' LEAGUE, the live finals event for the PGL's Spring '99 season, took New York City by storm. Thousands of spectators attended the two-day event at XS New York in Manhattan's Times Square, and 20,000 more followed the action via the live Webcast!

IN THE CHAMPIONSHIP ROUNDS OF COMPETITION, Guillaume "X'Ds-Grrrr" Patry overcame the notorious Wayne "Soso" Chiang to take the Strategy (Starcraft) title, and Bon "Kuin" Danan captured the Action (Quake II) crown by beating out Erik "Vorador" Spoor. Kuin and Grrrr took home \$10,000 in cash apiece, and more than \$4,000 in prizes – all told, more than \$100,000 in cash and prizes was distributed among the top 64 players in the Spring '99 season!

receives his \$10,000

IN ADDITION, KUIN RECEIVED AN AWESOME BONUS PRIZE:

an all-expense-paid trip to id Software's headquarters in Mesquite, TX, courtesy of id and Activision! Quake II drawn Bon "Kuín" Danan

The finalists in each of the Spring '99 categories 

placed as follows (with city of residence):

# Onake II

Bon "Kuin" Danan: Montreal, Canada
Erik "Yorador" Spoor: Amsterdam, NY
Sebastian "Sybek" Lenart: Mississauga, Canada
Kurt "Immortal" Shimada: Pleasanton, CA
Alex "bad-habit" Pogozelski: McLean, VA
Gordon "K9-Gloucester" Luk: Los Angeles, CA (tie)
Jason "Jmaster" Siquig: Fremont, CA
Eric "DH-SaboTaJ" Manfredi: Mundelein, IL (tie)

# Starcraft

Guillaume "Grrrr" Patry: Beauport, Quebec
Wayne "Soso" Chiang: San Jose, CA
Dave "BOO!" Howell: Gander, Newfoundland
Christopher "Pillars" Page: Andover, MA
Patrick "Kain-the-Feared" Chapelsky:
Sherwood Park, Alberta, Canada
Stephen "taurus" Chan: Culver City, CA (tie)
David "DeepBlue" Magro: Rochester, NY
Dennis "-WarAngel-" Lee: Grand Prairie, TX (tie)

Winners check from
PGL (ommissioner
Nolan Bushnell

The Chamber of the Chamber of

Starcraft champion buillaume "birne Patry is all smiles as he receives his winner's check while 102 commissioner Nolan Bushnell (left) and Starcraft co-producer Rob Pardo of Blizzard Entertainment (right) look on.

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# **Tactical Advantages**

here are general strategies for attaining victory in COMMAND & CONQUER: TIBERIAN SUN that will work no matter which side you're playing on, and there are other strategies that take advantage of the unique strengths and abilities of each force. Here's a look at a few tactics and their respective counter-tactics that will have your multiplayer opponents wishing they could join Kane in the land of the living-in-death.

# THE CIRCLE OF STRIFE (NOD & GDI

This tactic works well as a cheap and flexible defense system, as well as early in a war. Loop a waypoint system around your base and link it up using the shift key. Build a lot of low cost units, machine gunners, disc throwers, and rocket troops. Space groups out evenly, then press [ctrl-alt] to put them in guard mode and send them along on the

patrol route so that your base is completely surrounded by troops ready to fire at will. Activating guard mode will make them aggressively assault any nearby enemy. Just telling them to move means they'll ignore enemies. Avoid large gaps in the procession; your opponent can

time a desperate engineer dash for a vital resource when your guys are clumped on one side of the base. Also note that when a repair bot or a medic is placed on a waypoint system, they will heal and repair your troops as they make the rounds.

The tactic works well at the beginning of the game when attacks tend to be more exploratory than all-out assaults. As your enemies climb the tech tree and confront you with more advanced and powerful units, you'll probably be forced to build the more effective permanent ground defenses to repel the attacks.

One added benefit to this tactic is that it serves as an early defense system that can immediately be turned to offense if an opportunity arises. The more flexible you keep your force, the better off you'll be. Windows of opportunity open and close quickly in this game, and you need to take advantage

of them.

COUNTER

engineer though. You

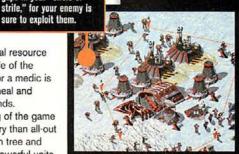
can also try attacking

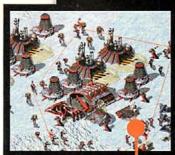
from one side, until all or

nost of the members of the

RING OF FIRE Set up your waypoint sys-tem in a tight ring around your base; you don't want units patrolling large empty







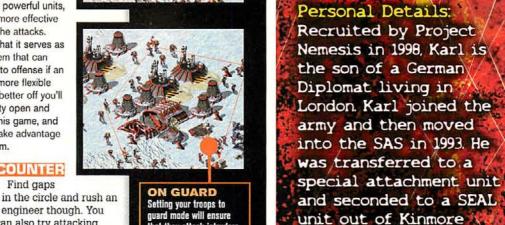
# Find gaps

guard mode will ensure that they attack intruders, instead of just continuing on their merry way.

circle are concentrating on your diversion.

> then rush an engineer in on the exposed side.

You can also refrain from attacking at all for a while. The circle requires spending a large amount early on for cheap units, money that could have been spent on refineries and harvesters. If your opponent devotes time and resources to the circle, he'll probably fall behind in his development and you'll be able to stay ahead on the tech tree.



eidos com

Field in 1997. Karl's entry

into Project Nemesis was

a result of his never

ending quest for

volunteered for

assignment to the

adventure; he

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Call Sign: Creepy

Skill: Camouflage

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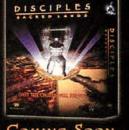
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# SPECIAL DELIVERY (GDI ONLY)

The Orca Carryall is one of GDI's most useful units, if you know how to use it. Build a Mammoth Mark II and airlift it right next to your enemy's construction yard. It can lay waste to the yard in three or four shots of its rail gun. Another good way to use the Carryall is to airlift in an APC full of engineers and take over a base en masse. The Carryall can also place sensor arrays in spots normally unreachable.

Efficiently using Carryalls can torment an enemy to no end. Just make sure you know where any SAM sites are and avoid them like the plague. Also, you can't land on a spot that is still cloaked, so some early scouting will be needed. A well balanced air force of Orca fighters to scout an area, Orca bombers to suppress anti-aircraft weapons, and Orca Carryalls to deliver ground units to the landing zone can be formidable indeed.



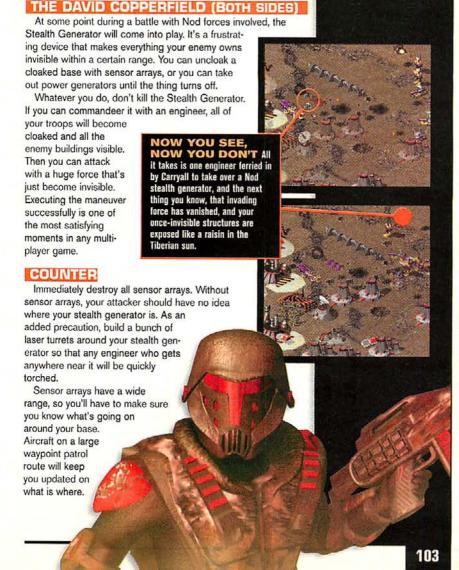
some serious havoc in short order.

# COUNTER

SAMs, SAMs, and more SAMs. The best way to make a Carryall-dependent enemy pay is to infest your bases with SAM sites and to knock the Carryall and its cargo out of the sky. Putting SAMs in unexpected places can hamper your opponents' attempt to avoid the flak field above your base by landing close by, and moving in on the ground.

Rocket troops and other anti-air units are useful, but nothing does as much damage to a flying unit as a SAM site.

Cloaking your base helps as well. After you cloak your base, move your Construction Vehicle so that your Carryall friend won't know where to attack with his Mammoth Mark II.





Download the demo

# THE GENERAL CUSTER (BOTH SIDES)

So, you've finally been able to build up a large assault force, but you're terrified your enemy's EMP cannon will turn your battalion into a fleet of Yugos. The EMP cannon shuts down all mechanized weapons for about two minutes, rendering them useless and vulnerable to attack.

Instead of rushing in, go in a few units at a time. Fire up the edges of the base. Attack and withdraw. Keep the torment up until he finally fires the pulse cannon. The cannon takes about four to five minutes to recharge, giving you enough time to rush in and start reducing his beautiful base to rubble.

Have patience and wait until his most powerful units

His massive force is probably nearby, waiting to strike. Find it with air patrols and assault it with weapons like the multi-missile and chemical missile.

This might also be a good time to attack his base if he's concentrating all his efforts on yours. With all his big weapons out in the field, it would be good to tunnel over some flame tanks if you're playing Nod, or Orca Carryall over an APC full of engineers if you're GDI.

COUNTER Don't fire that EMP until you absolutely have to. are descending upon your base-then let him have it. Build walls and conventional defenses while he's toying with you and make him pay for the time he's wasting.

# COUNTER

be well.

Construction Vehicles are expensive and not well-armored. Take them out as soon as you see them. Also, second and third bases are rarely defended as well as base number one. They are incredibly susceptible to take over with engineers. So, let your expanding friend do all the work for you. Just commandeer his weaker satellite bases; not only will you deprive him of resources, but you'll pad your own coffers as well.

SPREAD IT AROUND

**Build a second or third Construction** 

Vehicle as soon as you can. Move them to

key points and deploy them. Throw down defenses, refineries, whatever. Then move the

Construction Vehicle to another spot and

a couple obelisks in a choke point. Put a

refinery right next to a nice patch of blue

tiberium in a remote area of the map. Open as many branch offices as you can and all will

repeat. Put SAM sites under flight lanes. Put

(BOTH SIDES)

OK, LINE & SINKER That incoming force might bait to get you to fire your EMP cannon. The real invasion is coming from the other

# ION CRUSH (GDI ONLY)

The Ion Cannon is immensely powerful, but don't waste it. One blast will not quite destroy crucial buildings like construction yards. Soften structures with conventional attacks, then finish them off with a mighty blast. This is a good rule of thumb that can be applied to any long-range, ultra-powerful weapon for both GDI and Nod. Buildings and units can be repaired, so just causing some damage is not good enough. Use these weapons in conjunction with a ground attack or an air raid to make them count.

# COUNTER

An engineer running inside a friendly building repairs it completely. If you sense an enemy is softening up a building so he can finish it off with an Ion Cannon, run an engineer inside between the ground assault and the lon blast. Repairing buildings to full health with an engineer is sometimes more cost efficient than using the conventional repair command.



# TUNNEL OF LOVE (N

When using tunneling units, don't just pop them up and let them take fire. Once trouble arrives, burrow below the base and pop up somewhere unexpected. Attack one side of the base, and once you start taking fire, tunnel under and head to the other side. Find the weak spots. The flame tank and the APC don't have the best armor. but the enemy can't hit what's just tunneled underground.

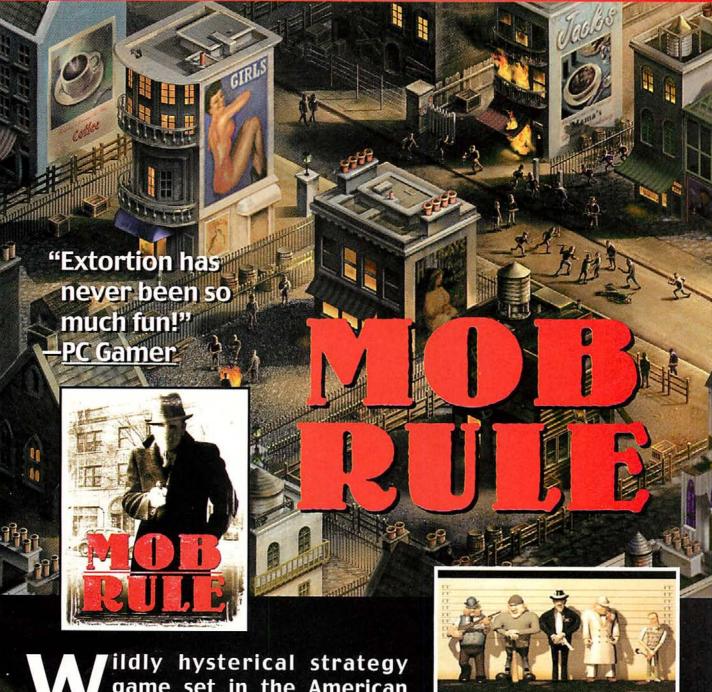
## COUNTER

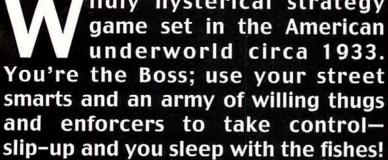
One word: concrete. Tunneling units can't come up through concrete, so build a lot of it around your crucial buildings. If you pave over enough of your property, you'll find that you can funnel the tunneling units into areas you have heavily defended. Don't forget to build plenty of sensor arrays. They see below ground and act as an early warning system for incoming moles.

CATCH ME IF YOU AN Burrowing tanks can easily slip under your sentries for a direct attack on your base, and once detected can easily burrow away and pop up somewhere else.



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CLOCKWISE FROM THE TOP RIGHT.

BRONX SLAM. ZAK T. LAYS DOWN THE SICK HEELFLIP LUGE INTO A LUGE 360 AND FINISHES WITH A HEADSPIN FLIP.











# LEMULATIONS TON REPORT

DELTA FORCE 2

**ROGUE SPEAR** 

SPEC OPS II: GREEN BERETS

SWAT 3: CLOSE Quarters Battle by Raphael Liberatore,
Army Special Forces, retired

ast year, the special-operations shooter took the gaming world by storm. These games brought realism, special tactics, and true teamplay to a genre that was desperate for new ideas and greater depth of play. With their gritty blend of military-grade weapons and equipment, accurately-modeled ballistic effects, and real-world small-unit commando tactics and missions, games like RAINBOW SIX, SPEC OPS: RANGERS LEAD THE WAY, and DELTA FORCE led the rush toward an exciting new subgenre of action games.

In computer gaming, success breeds sequels and imitators, so it's no surprise that Fall will bring several more games into the tactical simulation battlefield. With NovaLogic's DELTA FORCE 2, Red Storm's ROGUE SPEAR, Zombie's SPEC OPS II: GREEN BERETS, and Sierra's SWAT 3: CLOSE QUARTERS BATTLE all in development, there will be plenty of special-ops options for the armchair killer. We took these games out into the field and tested them with a team of genuine special-operations guys to see which had what it takes to survive the battle for gamers' bucks.

### OPERATIONS OVERVIEW

What set RAINBOW SIX apart from the throng of firstperson shooters crowding the market? Red Storm would say it was the realistic combat model. After playing a beta version of ROGUE SPEAR, the sequel to RAINBOW SIX, we can report that the combat model is still the strong point. ROGUE SPEAR's refinements of the original include improved artificial intelligence, better graphics and sound, realistic ballistic effects, an improved interface, and an observer mode. Not only do computer-controlled team members move and support your actions with more effect, but nearby terrorists actively seek you out during a raging battle. Add some really awesome ballistic and wound effects, like shooting through windows and doors, or taking a round in the leg that will leave a trail of blood, and it's clear that ROGUE SPEAR is on track to becoming a more true-to-life game.

The same goes for SWAT 3: CLOSE QUARTERS BATTLE, the latest addition to the already popular Sierra Studios SWAT adventure series. Based on real-life SWAT missions of the Los Angeles Police Department (LAPD), but set in the year 2005, the game casts you as the leader of a five-man team in either career or single-player modes. SWAT 3's dynamic missions focus on high-intensity close-quarters combat instead of the puzzle-solving of its predecessors. Most of the game's develop-

# OPERATIVE: ROGUE SPEAR

Operations Center: Red Storm Entertainment Deployment Date: Q3 '99

Area of Operations: Counter-Terrorist Tactical Simulation Last year's benchmark game returns to action completely polished with a brand new Al, improved interface, and more realism than ever before. ission Capabilities: Realistic combat model, ballistic effects, saved replay feature, improved observer mode, full sniper support, weather effects, 3D environments and sound, multiplayer. Mission Shortfalls: Team Al mode.

# OPERATIVE: SWAT 3: CLOSE QUARTERS BATTLE

Operations Center: Sierra Studios Deployment Date: Q4 '99 Area of Operations: Paramilitary Tactical Simulation

The SWAT series loses the popular Police Quest adventure mode in favor of CQB realism.

Mission Capabilities: Dynamic AI, CQB realism, gorgeous lighting and 3D environments, physics modeling, ballistic effects, score based point system.

Mission Shortfalls: Separate multiplayer release.



QUICK DRAW In SWAT 3, good reflexes and sound tactics will be crucial to surviving standoffs like this one. You'll also have to deal with the added challenge of not shooting-first-and-askingquestions-later, since you're prohibited from shooting civilians.



SNIPER CROUCH ROGUE SPEAR has added crouched movement and sniper support for a more comprehensive team



WHERE'S THE LIGHTS? SPEC OPS II's Viper engine will spice up the game action with its realistic but ominous environments.

ers trained with the LAPD SWAT; the resulting tactical realism is apparent, for example, in the way your team systematically sweeps an area for suspects.

In DELTA FORCE 2, you continue to serve as a member of the elite U.S. Army Special Forces unit known as SFOD-Delta, DF2 now uses a true 32-bit Voxel Space graphics engine so players can actually see the enemy, instead of nondescript pixels, at 200 meters. The upgraded graphics are smooth and crisp, though the buildings pixelate up close and would benefit from 3D acceleration. Still, the vast outdoor environments are second to none in subtle detail and now have tall grass, trees, and other objects useful for stealth maneuvers.

According to Mark Long, head honcho of SPEC OPS developer Zombie, "We want players to feel like they're actually Green Berets." To that end, Zombie completely rebuilt its SPEC OPS Viper engine while adding a fluid in-game control for a more dynamic team-oriented combat experience. There are over 30 real-life special-forces missions stressing Green Beret teamwork for direct action, special reconnaissance, and hostage rescue operations. SPEC OPS II follows its predecessor in using teams of two and three members to enhance gameplay, even though a U.S. Army Special Forces "A" team has 12 men. The simulated men do, however, train and fight like real Green Berets, with obstacle courses modeled after real Army training courses, and their skill development in weapons, demolitions, recon, and sniper tactics shadow the real deal.

All these titles share one common gameplay element: missions based on realistic military or paramilitary commando operations at the tactical level, aimed at direct action, counterterrorism, hostage rescue, and special reconnaissance. One thing is certain-all the developers have done their homework, as the level of authenticity is quite high. Whether it's SPEC OPS II's co-op mission with the British SAS to address a Pakistani nuclear situation, or SWAT 3's terrorist takeover of the control tower at LAX, the action is gritty and authentic.

# TEAM SELECTION

Team command and control is an important element in these games, since most operations depend on support from your computer-controlled teammates for success. The flawed AI in ROGUE SPEAR has been measurably improved. "There were a lot of rough edges to the original AI." says Greg Stelmack of Red Storm. "We took the lessons learned from the original AI, scrapped it, and rewrote it from the ground up. The computer-controlled members navigate much more cleanly, and their combat routines have been improved. They'll duck for cover, run away, try to avoid grenades,

and generally act much more human than the original AI." DELTA FORCE 2 and SPEC OPS II have also beefed up team AI to better support you (your SPEC OPS teammates shouldn't wander into your line of fire anymore).

All four games have refined their team command and control screens for better team response during the heat of battle. Each approach is unique. SPEC OPS II uses a single keyIT TAKES TWO To kill tangoes, that is, SPEC OPS II has distilled the usual

12-man Green Beret teams to smaller units for more manageable gameplay.

stroke to dispatch operatives to a location, without your having to micromanage their maneuvers. DELTA FORCE 2 uses a Commander's Screen and waypoints to control AI teammates. ROGUE SPEAR has streamlined its team mission screens for better planning and rule-of-engagement management. And SWAT 3 lets you split your five-man element into two smaller elements to better sweep an area for bad guys.

Only Delta Force 2 won't allow you to select team operatives.

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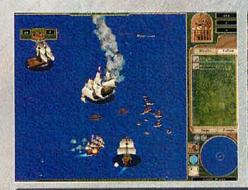


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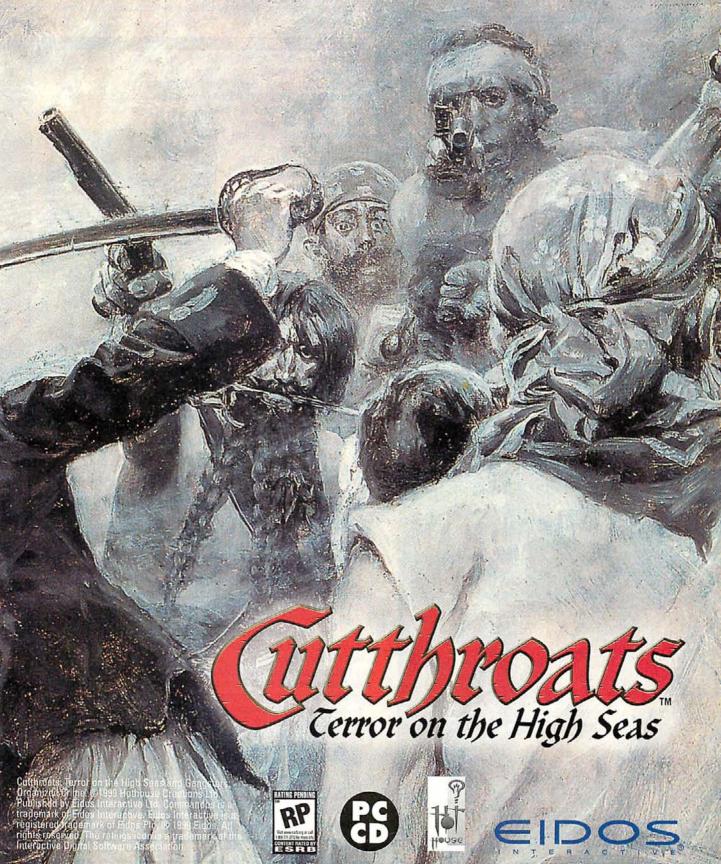
Landing parties can capture ports or burn them to the ground.



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# **OPERATIVE: DELTA FORCE 2**

Operations Center: NovaLogic Deployment Date: Q3 '99 Area of Operations: Command

otions: Commando Tactical Simulation

Delta Force returns with better graphics, improved command and control interface, and voice technology.

Voice-Over-Net technology, Improved Voxel Space 32 graphics for unlimited outdoor environments, commanders screen, weather elements, ballistic effects, new weapons and equipment, mid-level save and replay, multiplayer on NovaWorld. Mission Shortfalls: Frag-fest multiplayer.

# OPERATIVE: SPEC OPS II: GREEN BERETS

Operations Center: Zombie Support Agency: Ripcord Games Deployment Date: Q4 '99 Area of Operations: Commando T

Commando Tactical Simulation. The original Spec Ops shooter competes with the big boys in a game inspired by real

life Special Forces weapons, equipment and missions.

Mission Gepablifities: Enhanced training environments, 3D lighting effects, character skills, armory, fluid interface, 3D dynamic missions, mission editor, team command and control.

ion Shortfalls: Underdog operative.



INSIDE, OUTSIDE NovaLogic's Voxel 3 Space engine has been upgraded to offer true 32-bit graphics. The payoff is even better outdoor environments and weather effects, and missions that move the action indoors.





FIRST CLASS TICKET TO HELL Hostage rescue is a ROGUE SPEAR mission specialty. Note how both commando elements move through each side of the aircraft for a more realistic sweep

SWAT 3 provides a roster of over 60 SWAT members and 12 element leaders from which to assemble your five-man team. Each operative will improve his skills mission to mission, so success will hinge on training your key players and assembling the right team for each mission. Same with SPEC OPS II, where you'll choose from among a machine-gunner, grenadier, sniper, rifleman, and more for your teams.

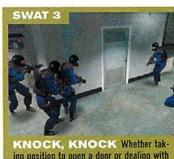
# AREA ASSESSMENT

From a graphical standpoint, these games are a marked improvement in physics, lighting, and 3D environments; little wonder, with each game engine being rebuilt from the ground up. ROGUE SPEAR and SWAT 3 look really sharp, SWAT 3 having the edge with more impressive graphics and physics modeling. Sierra

used over 500 motion-capture videos for very lifelike character movement.

SPEC OPS II's updated Viper engine powers its ominous outdoor environments, 3D sounds, and outstanding lighting effects, including realistic searchlights that seek to pinpoint your position and alert the enemy.

DELTA FORCE 2 has improved the most, thanks to a move from a 16-bit voxel graphics engine to a new true-color, 32-bit model. Of the four, DELTA FORCE still uses the largest outdoor environments for endless patrolling maneuvers; the new game employs indoor environments as well, for hostage rescue and reconnaissance.



ing position to open a door or dealing with the terrorist that lurks beyond it, SWAT 3 faithfully models real-world tactics.



SWAT 3D is the lone holdout on the inclusion of weather effects, but since the game takes place indoors, it's not an issue. The other games add most of their weather touches for ambience, but DF2's use of fog should help balance sniper-favoring multiplayer matches.

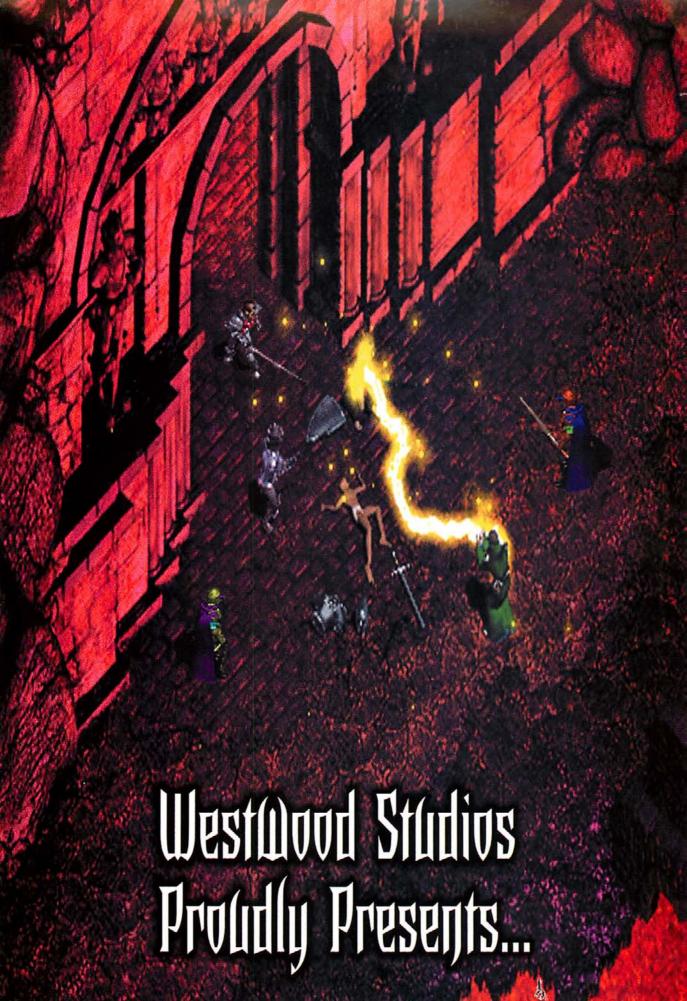
## BATTLE DRILLS

The arsenals from these games are bulging with more weapons and equipment than ever before. ROGUE SPEAR adds full sniper support with weapons like the M-14, Enfield L85A1, and the big, bad, .50-caliber Barrett Model 95 sniper rifle.

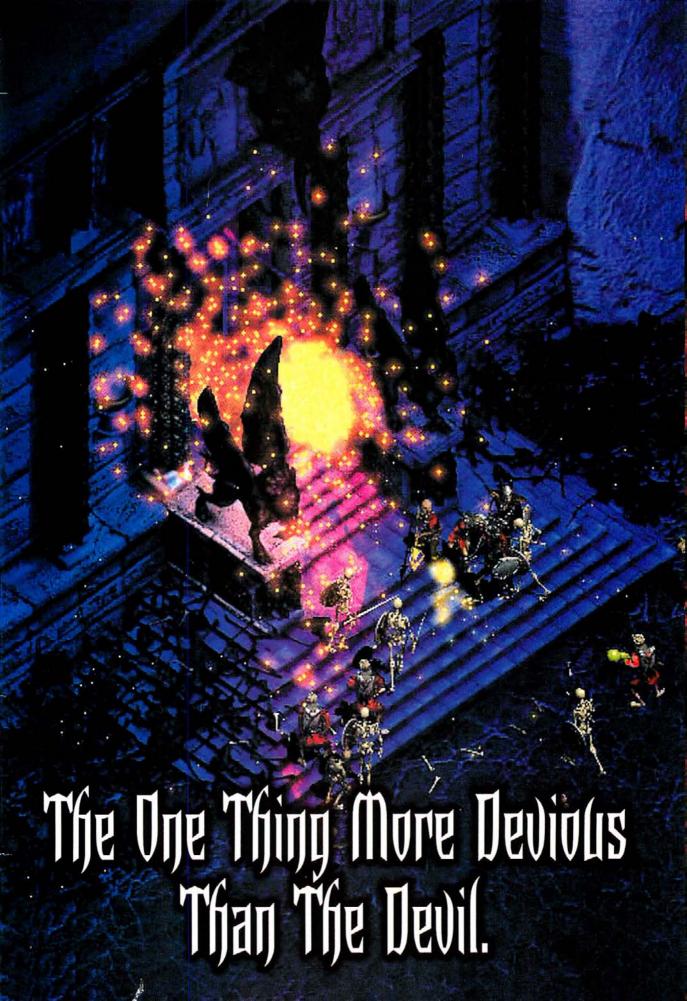
SWAT 3 uses the traditional LAPD arsenal of MP5s, CAR-15s, and 1911 pistols, while adding new technology like the Kevlar tactical helmet. Delta Force 2, on the other hand, adds unique weapons like the H&K P11(which fires flechettes underwater), an M4 with shotgun, and fixed weapon emplacements sporting mini-guns. SPEC OPS II added some unique weapons like Chicoms, M270s, Steyr Augs, and some of the heavier stuff like grenade launchers and machine guns.

Picking your team's flashlights, light sticks, binoculars, tac vests, and grenades add to game strategy. DF2 now uses equipment slots in addition to primary weapon slots so you can choose Kevlar vests, rebreathers for underwater action, and field surveillance cameras for watching your back. SPEC OPS II allows you to pick up and drop objects during the game, which is good if you run out of ammo and an AK-47 happens to be laying nearby, but bad if you get too greedy and weighed down.

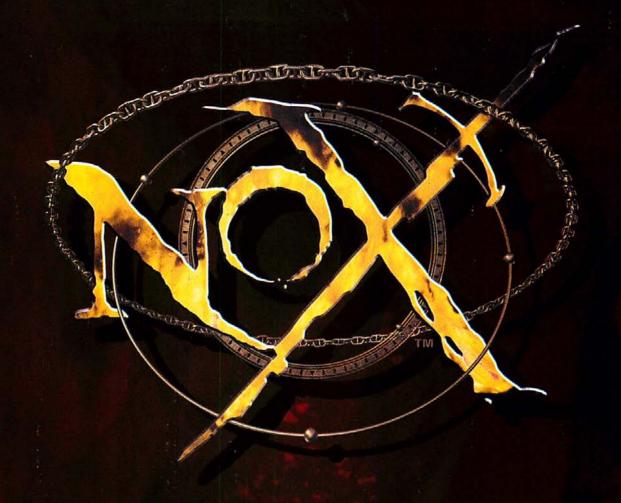
Shot placement and ballistic effects are heavily emphasized in all four games. Not only do most weapons have a choice of rounds, but bullets now penetrate doors and walls (and DELTA FORCE's previously bulletproof tents). ROGUE SPEAR handles ballistic effects by assigning modifying values to weapons, so you can't snipe with an





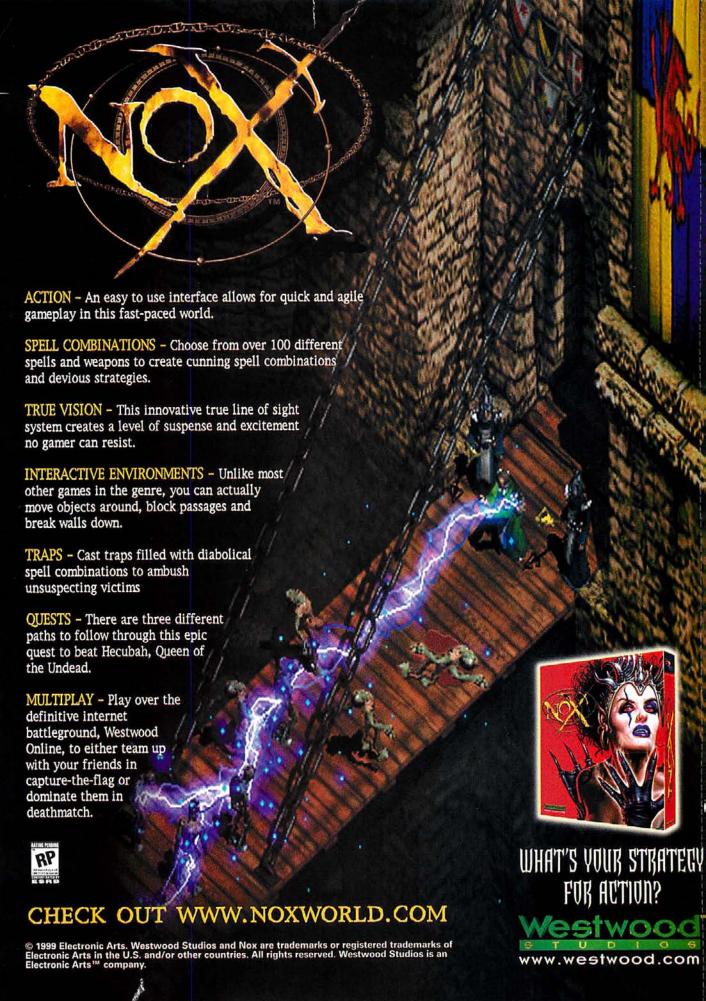






This is all the action you can handle.

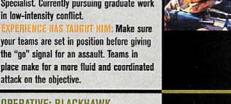




# CGW'S ELITE **SPECIAL FORCES TEAM**

**OPERATIVE: SF COMMANDO** PS EXPERIENCE: Retired U.S. Army Special Forces Commo and Weapons Specialist. Currently pursuing graduate work

EXPERIENCE HAS TAUGHT HIM: Make sure your teams are set in position before giving the "go" signal for an assault. Teams in place make for a more fluid and coordinated attack on the objective.



**OPERATIVE: BLACKHAWK EXPERIENCE: Retired U.S. Army** Special Forces Operations and Intelligence Sergeant, and police arson-explosives investigator. Served with U.S. Army SF during the Vietnam War. Current investigator for a large metropolitan district attornev's office.

**EXPERIENCE HAS TAUGHT HIM: Place** flash bangs in a room by edging as close to the opening as possible without compromising yourself, and then drop them inside the door for more effective placement.



ops tactics and target interdiction . RPERIENCE HAS TAUGHT HIM: Engage moving targets by leading them slightly ahead of their movement direction with your firing reticle. Also, try not to silhouette yourself along a hilltop or skyline.



**OPERATIVE: SWAT GREEN** O OPS EXPERIENCE: Retired U.S. Army Ranger and Special Forces Weapons Specialist, Current SWAT operative for a major metropolitan police force.

EXPERIENCE HAS TAUGHT HIM: Clearing a stairwell is one of the more difficult CQB ops. The element should move at a quiet and cautious pace, using mirrors when possible, while stacking tight in anticipation of an attack.



**OPERATIVE: MAD DOG** SPEC OPS EXPERIENCE: U.S. Army Ranger and Special Forces Medic Reservist. EXPERIENCE HAS TAUGHT HIM: Snipe 600+ meters from target. Moving closer

only narrows any chance of escape once the enemy pinpoints your emplacement.



## NOVALOGIC TEAM

WRAITH: LEAD PROGRAMMER WUPASS: ARTIST, MINISTER OF PAIN STINKY: ARTIST, WAR PIG OL' PAINLESS: PRODUCER, TOKEN TARGET



MP5 from 200 meters without the 9mm round losing energy at point of impact. You'll need to use the right weapon for the job at all times.

Likewise, wound effects will force you to aim your shots more accurately. Each game models wounds according to their location on a character; if the hit is in the arm or leg, the character limps and leaves a trail of blood

# H-HOUR

Multiplayer is where these games really shine. If you're looking for a frag-fest, look to DELTA FORCES 2 and SPEC OPS II, both of which support 50-player matches. ROGUE SPEAR and SWAT 3 can be played as a realistic tactical simulation, because team command and control and support are vital to mission success.

SPEC OPS II will allow you to pick up a fallen enemy's weapons and equipment, while DF2 is adding the option of an armory for its online action. The armory will let the gamer restock weapons and ammo and will be the only destructible building in the game-expect to see teams lead armory-destroying charges against their enemies.

Typing commands during battle takes too long and leaves you vulnerable, so voice support is on most gamers' wish lists. SWAT 3 and SPEC OPS II have no plans to support voice right now-not surprising, considering how hard it is to do it right. Hopefully, Red Storm will improve the shoddy voice technology of RAINBOW SIX. NovaLogic has the leg up on voice technology with its Voice-Over-Net, already working well on the NovaWorld servers, but it's not the ideal solution; it allows communication with only one player at a time rather than your entire team.

## AFTER ACTION REPORT

Without a doubt, all four tactical simulations are looking sharper and more immersing than the originals, and at this point there seems to be no clear victor emerging from the trenches. But I'd bet a few weekend passes to Vienna that ROGUE SPEAR follows in RAINBOW SIX's footsteps as the benchmark game of this new crop of tactical sims, while DELTA FORCE 2 will come in a close second. The popularity of NovaWorld gives DF2 a huge boost for quick action seekers. When SWAT 3's multiplayer feature gets released—several months after single player—the game should be a heavy-duty combatant due to its realistic environments and COB combat. SPEC OPS II is the underdog of the bunch, having to fight its way out of the bad reputation earned by its lackluster predecessor. However, don't count this game out. Its interface and AI upgrades are a huge improvement, and besides, it's a game about Green Berets. What more could an armchair commando ask for?

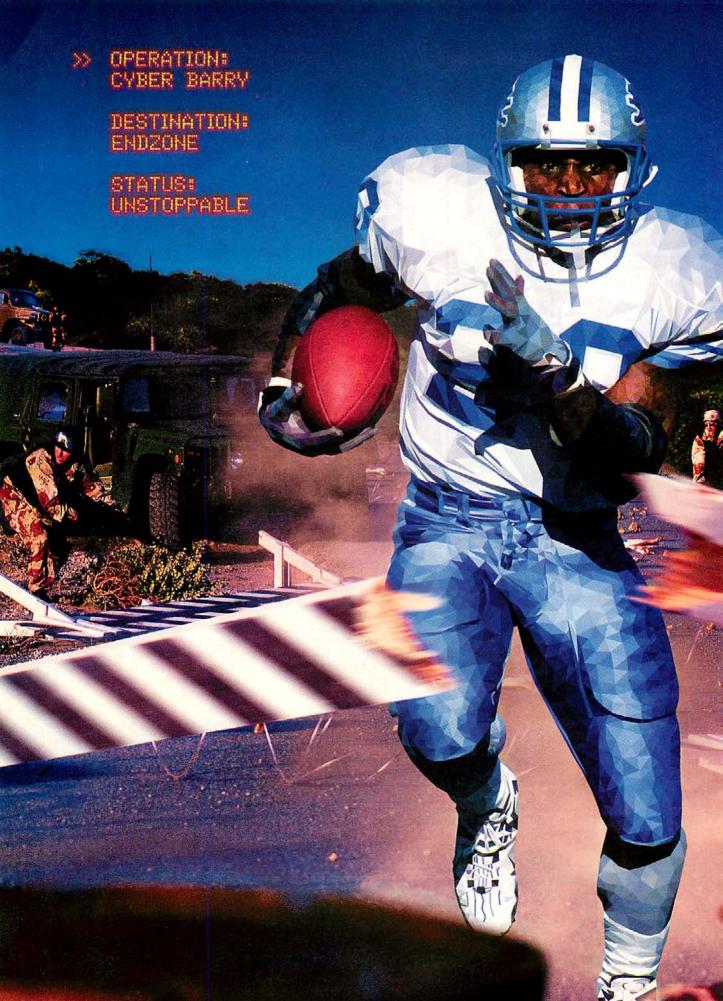
# MESS WITH THE BEST, DIE LIKE THE REST

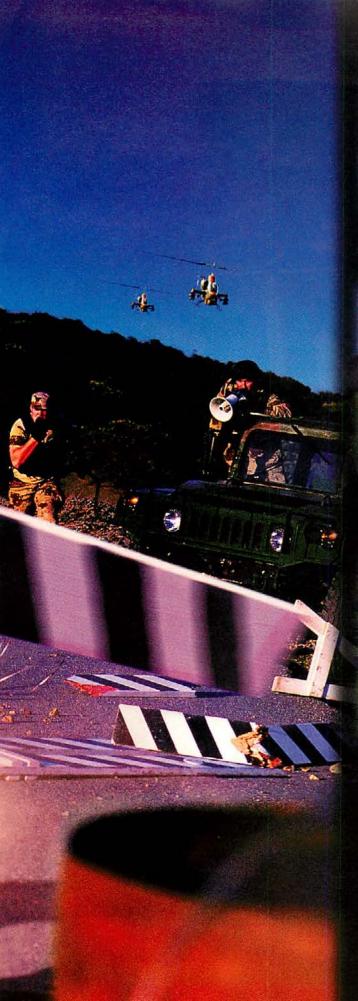
hresh versus a real Green Beret - who wins? It's this kind of question that led us to match up our team of real-life, battle-hardened, special-forces veterans against the development teams of DELTA FORCE 2 and ROGUE SPEAR.

With four commandos at my side and over 50 collective years of real experience under our tac vests — I felt somewhat confident squaring off against the NovaLogic team. However, after the first team deathmatch it was obvious that NovaLogic was having a field day, dropping real-life commandos like fattened ducks on the first day of hunting season. While ISP and communication problems hampered the effectiveness of the pros, there's no way to candy-coat the fact that our team got whomped, 50 kills to 20. Still, there was some satisfaction in knowing that any one member of our team could easily kill all four members of NovaLogic's squad with his bare hands.

More ISP trouble prohibited two of our spec-ops operatives from joining in the ROGUE SPEAR contest, but SF Commando and Mad Dog did their best in holding off a skilled Red Storm team. At one point, Mad Dog took out an entire four-man team rushing through the door. The results of this matching

point, Mad Dog took out an entire four-man team rushing through the door. The results of this matchup were much better than the odious NovaLogic battle, with our team winning four out of six matches, even though outnumbered four to two. It's a great testament to the authenticity of the game that our real-world training and tactics gave us the edge over the twitch skills of the game developers.







# >> BREAKAWAY SPEED

Buckle up for the fastest gameplay ever. Lightning moves, bullet throws and DB's with afterburners.



# >> SICK MOVES

Besides Cyber Barry, your arsenal includes hot routes, one-handed grabs and breakable wrap tackles.



# >> MASSIVE COLLISIONS

It's an all-out assault with career stats, multi-player franchise mode and epic online trench wars.



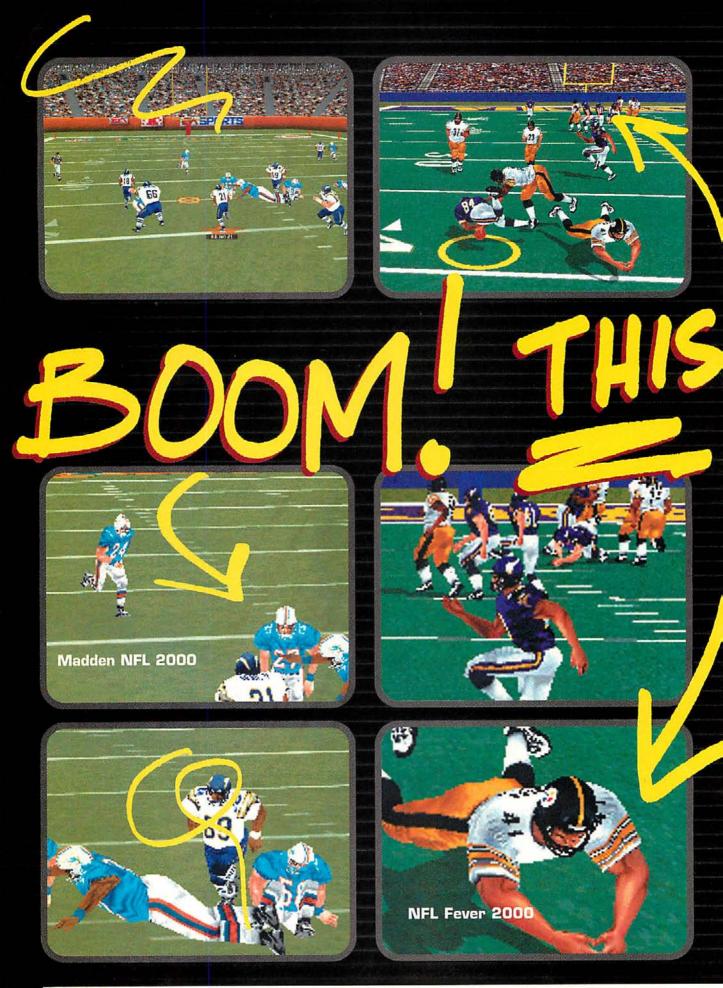
www.easports.com











KILL YOUR TV! WITH THIS SEASON'S LINEUP OF FOOTBALL GAMES, THE PC IS THE PLACE TO BE FOR THE MONSTER HITS, THE CLUTCH PLAYS, AND THE BIG THRILL OF GAME DAY.

BY GEORGE JONES

# IS FOOTBALL

he year 1999 marks the beginning of the fourth era of PC football games. In the first era, we talked about text football games, and which ones best simulated the real deal. The second era—the era of FRONT PAGE SPORTS: FOOTBALL—had us gushing over pretty graphics and great coaching options, while simultaneously complaining that if only the controls weren't so cruddy, we'd actually be able to play the game. Then we entered the third era. Here we could finally play football games on our PC, but the graphics missed the 3D boat and the gameplay was still a long way off from that of the best PlayStation games.

With the upcoming release of MADDEN 2000 and NFL FEVER 2000, we have now entered the football Age of Aquarius, marked by a harmonious blending of visuals, animations, and gameplay. It's a groovy time to be alive, brother.

# ST. JOHN THE MADDEN

fter eight years on the market, the MADDEN FOOTBALL series remains the crown jewel of football games. The 2000 edition—which opens with an excellent hip-hop fusion of monstrous, bone-jarring hits and rap lyrics that celebrate the

franchise's dominance of the market—quickly sets a tone for what is easily the finest PC MADDEN game ever.

Even easier on the eyes than last year's version, the game's 3D-accelerated graphics (Direct 3D or Glide drivers, although a nonaccelerated version is available) result in big, beefy characters that move with grace and speed.

Microsoft's NFL FEVER 2000 has better animations, but in MADDEN, the players are

more responsive to your gamepad commands. This means that when Terrell Davis sees a hole in the line when moving laterally on his pitch-out, he can actually make the cut and exploit it.

The lifelike animations also mean that when

players get tackled, they get dragged to the ground or knocked off their feet in a variety of ways. In some cases, particularly strong players can visibly shrug off tacklers and keep on chugging. The high fidelity of the visuals. combined with John Madden's legendary commentary, takes computer simulation one step closer



# FOOTBALL ROUNDUP

toward the TV viewing experience.

This year's game strikes a perfect balance between arcade action and strategic play by offering several different game modes. The Arcade mode gives you a run-and-gun shootout, while the Exhibition and Season modes allow for a more authentic simulation. The previous few incarnations of the game featured tough run-stopping defenses, but MADDEN 2000 makes the running game more viable. While I wasn't breaking away for 10 yards a carry, neither was I consistently stuffed for a loss every time my backs touched the ball. The passing

game and defense are excellently handled, as

usual, with the typical set of special moves enhancing your game. I've always been a fan of the responsive controls in MADDEN, and this version does nothing to change my opin-



Amazing visuals and animations; superior gameplay that strikes the right balance; a myriad of cool new features like the Great Games and Franchise modes; LAN and Internet play.

Runa The passing mode doesn't visually display the Sidewinder buttons (A, B, C, X, Y, Z), it just spits out numbers instead.

Publisher: EA Sports Price: \$50





Reautiful, true-to-life graphics; unsurpassed animations; realistic gameplay.

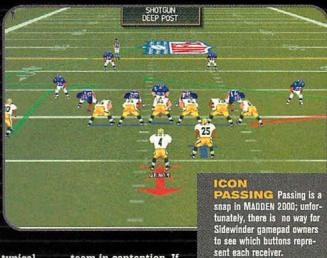
Come Game animations sometimes create an unresponsiveness that hinders play.

Publisher: Microsoft Prise: \$50 www.microsoft.com ion. You can juke with the special juke buttons, or you can throw fakes at the defender with a little jiggling of the control pad.

No matter what game mode you're

playing in, you can customize the game in many ways; quarter lengths, graphics, and AI are all fully configurable. You can even change the size of the players from teeny to gargantuan.

For an added thrill, you can manage your team over the course of 32 seasons, building a powerhouse franchise by negotiating contracts with free agents, signing the most talented rookies, and making the management calls that will keep your



team in contention. If sent each receiver.
you happen to get
fired, you can get picked up by another franchise...if anyone wants you.

# THE LONGEST YARD

ADDEN 2000 anticipated our wishes and added one of the coolest features I've ever seen in a sports game: The Great Games mode allows you to replay key moments in 10 different legendary games. The first is the 1981 overtime game between the San Diego Chargers and the Miami Dolphins that saw the Chargers score with less than three minutes left in overtime (and carry legendary tight end Kellen Winslow off the field). As you win each scenario, you gain permanent access to the two teams involved and you move on to the next Great Game. It's kind of like beating "bosses" in a fighting game. At the end of the day, gameplay rules over all, but it's these little touches that keep MADDEN consistently ahead of the pack.

From the look of things, MADDEN will head that pack again this year. And, for what some may argue is the very first time, MADDEN 2000 for the PC will make console owners green with envy.

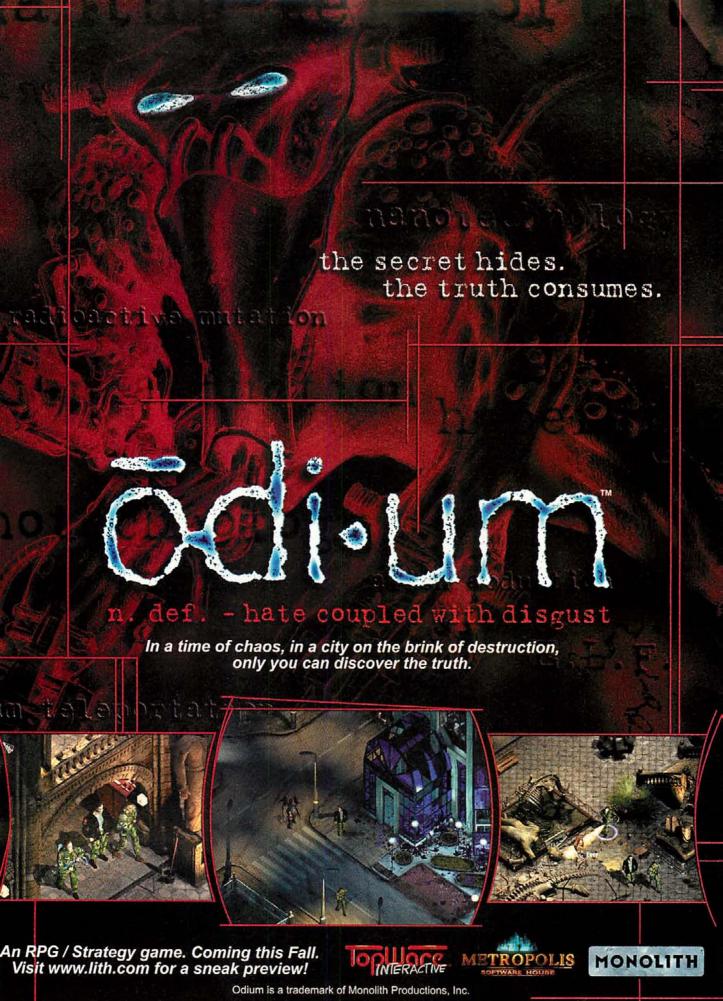
### THE FEVER

he words "Microsoft" and "underdog" go together about as well as mayonnaise and Kool-Aid. But this has been the lot of the Redmond giant ever since they broke into the sports-game game.

NFL FEVER 2000 leans toward a more realistic style of play than MADDEN. From the moment you take the field, it is an eyebrow-raising experience—the game's graphics are as close to TV quality as we've ever seen. Whereas EA Sports' graphics are more muscularly exaggerated and beefy, NFL FEVER's players resemble human players. And the player animations are absolutely stupendous.

NFL FEVER, which uses a default camera angle that is a little further behind the line of scrimmage than most games, successfully mimics the pacing of football. When a play begins, it takes some time to develop, but once it does, the action comes swiftly. For example, on a roll-out pass play, I was able to make the proper reads on the defense and my receivers, but I couldn't hold onto the ball forever—the pass rush was on me in no time.

The game boasts amazing, highly detailed ani-



# FOOTBALL ROUNDUP



SEE THE HOLE, EXPLOIT IT NFL FEVER'S running game is appropriately realistic-It's easy to gain a few yards up the middle, but hard to gain more than that. mations, to the point where if you're on the run with the quarterback and throw the ball, you actually see an animation for the OB dumping the ball on the run. This extends to running backs, too. You'll see them get flipped, tossed, clothes-lined, and even pile-driven by beefy defensive lineman and linebackers. You can fight back, though—in addition to the usual turbo button (which can only be used once per play), NFL Fever also has a "lower your shoulder and put a hit on somebody" button.

The rushing game is accurately difficult, meaning that you'll have a hard time gaining huge chunks of yardage up the middle. Running outside the tackles seems a little bit easier-I was able to break off significantly bigger gains in this fashion. Unlike MADDEN however, it's difficult to perform small jukes on the defenders by jiggling the gamepad, which isn't sensitive enough in the game.

# PASSING GLANCE

s you get used to the play style of NFL FEVER, the action starts making a whole lot of sense. The game's passing model is remarkably strong. Getting a quick read on the pass coverage feels great, and it's much easier to get the ball to a player at the right point in his pass route, because the receivers' strong cuts let you know when it's time to throw the ball. Just like real life.

The play-calling mechanism of NFL FEVER features two very helpful and elegant design touches. The play-calling screen has an option named Millen's Call, after the TV announcer Matt Millen. Selecting this box will spit out several recommended plays, given your down situation. Very helpful for less-experienced players or when you need to call a quick play.

The second bit of play-calling goodness occurs when you come to the line of scrimmage

against a computer opponent. By pressing the C button on your controller, you can see all of your receivers (like MADDEN, sans the receivers' passing icons), but more importantly, you can see the diagram for the play you're about to run superimposed in the bottom-left corner of the screen. Even better, if you audible, pressing this same button will show you the schematic of the audible play.

frie between

-

NFL FEVER does lack some of the frills that MADDEN boasts. You can practice with your team, play through a complete season, or jump straight into the playoffs, where the game seems to get more intense. But the game lacks LAN play, career mode, and the Great Games mode of MADDEN.

Still, NFL FEVER is a remarkable first effort and a fine game. It's strong enough that the contrast in style between it and MADDEN should make for some interesting debates.

# FOOTBALL FOR THE COORDINATION-IMPAIRED

here was a time when you could play a football game without any of those fancy arcade reflexes. That was a simpler time, a time when a man's brain was more important than the size of his thumbs. Thankfully, there's hope for the coordination-impaired coming from the most unlikely of places: EA Sports.

FANTASY FOOTBALL transcends the typical ESPN
Sportcenter.com rotisserie-league fare by combining all the niftiness of a Web-based fantasy league with some innovative new twists. Most fantasy football leagues pit humandrafted teams against each other every week, relying on the players' cumulative statistical performances

to determine the winners. EA's version, hosted entirely online, allows you to draft your own teams and then simulate their performance rather than to rely on real-life stats. The Simulator mode, which uses MADDEN's sim

engine, also allows you to make halftime adjustments and tweak your offensive strategies. The FANTASY FOOTBALL site will feature expert advice and analysis, as well as public leagues with national rankings and major prize packages.

# FRONT OFFICE

FANTASY FOOTBALL LEAGUE MANAGER

FOOTBALL 2000 (FOF), the sequel to the finalist for CGW's 1998 Sports Game of the Year award, emphasizes business management over X's and O's. Playing as a General Manager, you are responsible for setting ticket prices, negotiating player contracts, and even managing the TV contracts and concessions prices for your franchise over the course of many years. Thanks to EA Sports, which purchased the game earlier this year, FOF is licensed by the NFL, meaning that you'll be managing authentic NFL teams and real-life players. EA Sports will be making this surprisingly engaging, highly cerebral game available this fall.

## **Fantasy Football**

EA Sports, \$20 sign-up www.easports.com/fantasyfootball/

# Front Office Football 2000

EA Sports, \$20 sign-up www.easports.com





# How Does a Klingon Feel at the Helm of a Capital Ship?

With more than 2 years of development refinement, Star Trek®: Klingon Academy™ provides the most realistic capital ship experience available.

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Command your warship with skill and daring; or you'll find yourself caught defenseless in the Tholian Web.



Control multiple firing arcs with the gunnery chair interface. Order boarding parties to capture enemy ships.

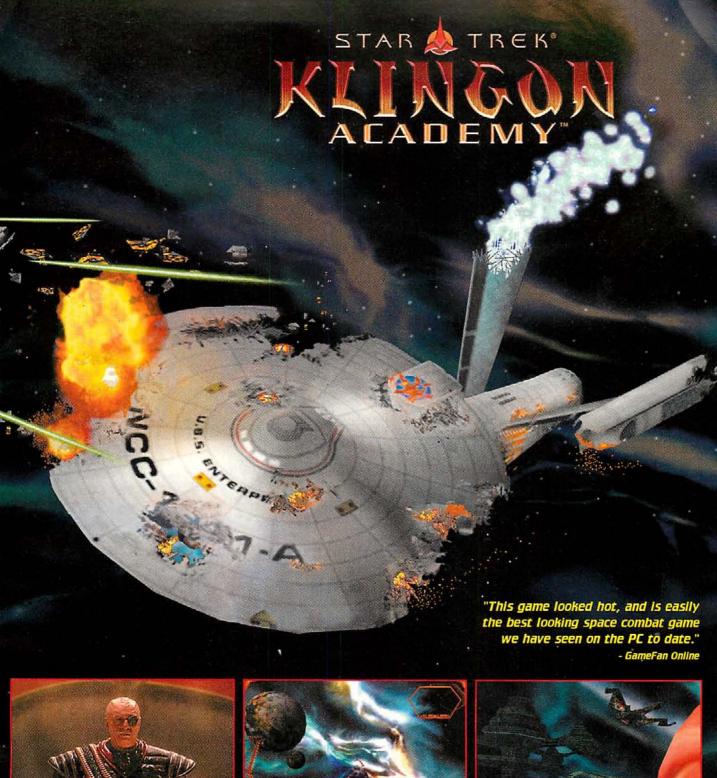


Fight in dense nebulae clouds, maneuver through asteroid belts, battle within the accretion disk of a black hole and more.

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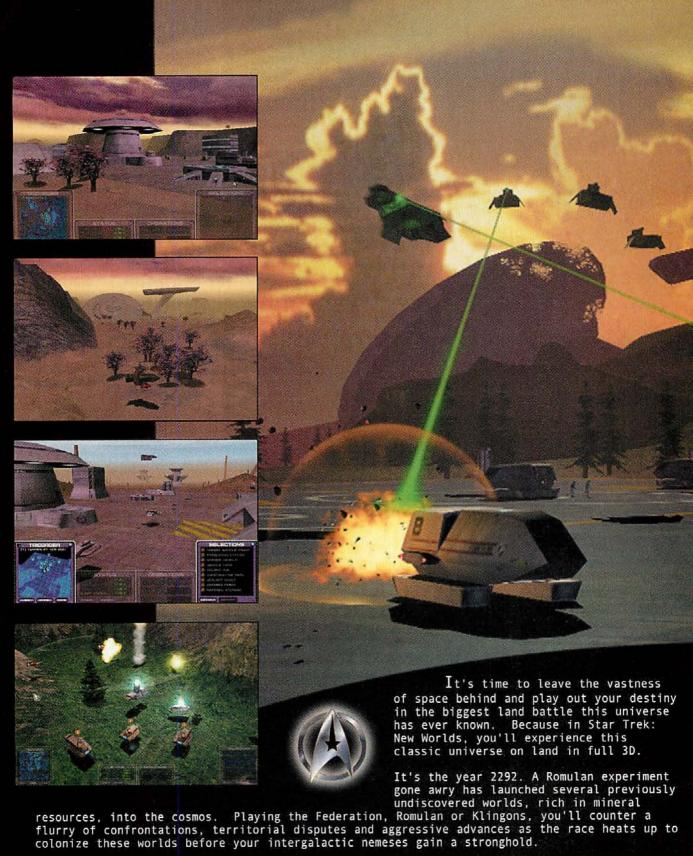




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NEW WORLDS

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# (WHAT GERMANS REALLY DO BEST!

Designed and developed in Germany by Wings Simulations, Panzer Elite" is poised to take the high ground as the most realistic platoon-based WWII tank simulation yet seen for your PC.

#### **Germans Do Details**

Models created from original tank blueprints and accurate measurements from actual working WWII tanks at the Panzer Museum in Munster, Germany.

**Germans Do Powerful Game Engines** Woods are made of individual trees and bushes. Different terrain affect movement and performance. Destructible buildings, trees and foliage provide realistic tactical options.

# **Germans Do Interfaces**

Fully supports any combination of mouse, keyboard and joystick. The Tank-Mouse Interface and pop-up windows allow easy access to all necessary controls and commands.

# **Germans Do Historical Accuracy**

80 historically accurate missions covering Normandy, Sicily, Italy and North Africa. Features Instant Action, Single Mission and Full Campaign modes of play.

Germans Do More Than Just Tanks Featuring over 80 different units including infantry and 22 playable tanks.

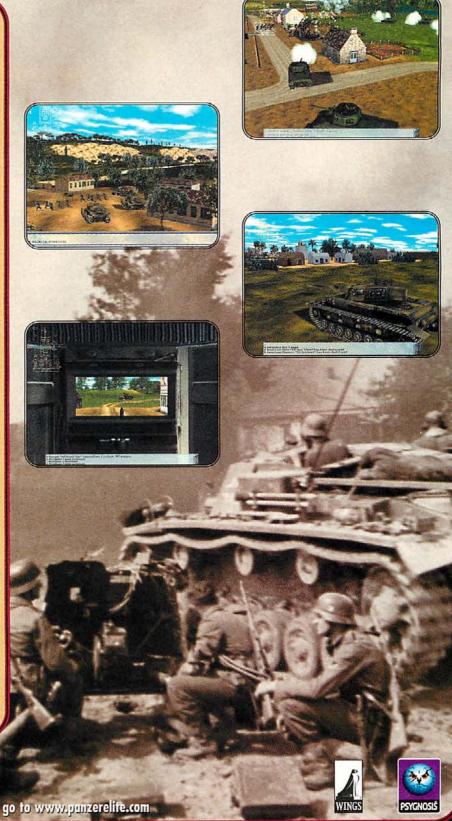
# **Germans Do Realism**

With over 30 realism settings, Panzer Elite accommodates the distinct needs of novice and hard-core players. However, Germans only play while using the highest realism settings.

# Germans Do Network Play

Supports up to 6 players over LAN, modem or serial link, 4 players via Internet.

# VANZER



# REVIEWS

# **OCTOBER REVIEWS**

CGW EDITORS' CHOICE GAMES IN THE

· COMMINICO II	MELD
RATING	PAGE
4	186
2	186
1	186
4	186
4.5	158
3	178
3	170
1	188
4	148
2.5	188
4.5	154
5	143
3.5	180
3	174
1.5	190
4.5	188
3.5	188
3.5	186
3	180
4	190
	4 2 1 4 4.5 3 3 1 4 2.5 4.5 5 3.5 3 1.5 4.5 3.5 3.5 3.5

# **QUOTE OF THE MONTH**

...the handful of animated cut scenes intended to stitch the game's sections together sound like a David Mamet play as performed by someone with Tourette's..."

Charles Ardai, reviewing KINGPIN: LIFE OF CRIME

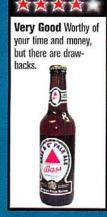




# **HOW DO WE RATE?**

We Review Only Finished Games—No Betas, No Patches.

# Outstanding The rare game that gets it all right. A must-play experience.











the makers of Caesar. III, comes Pharaoh, the most impressive city-building game ever made.

Immerse yourself in the grandeur of ancient Egypt, the mysterious kingdom beside the river Nile. Build a civilization for the centuries as you pass along your legacy from generation to generation, creating an empire and a bloodline built only for a Pharaoh.

# Oarsman

Can't...move...arms...slowing...down. How many ships do they think we can ram in one day? That's it, I'm taking this up with the union.

# Priest

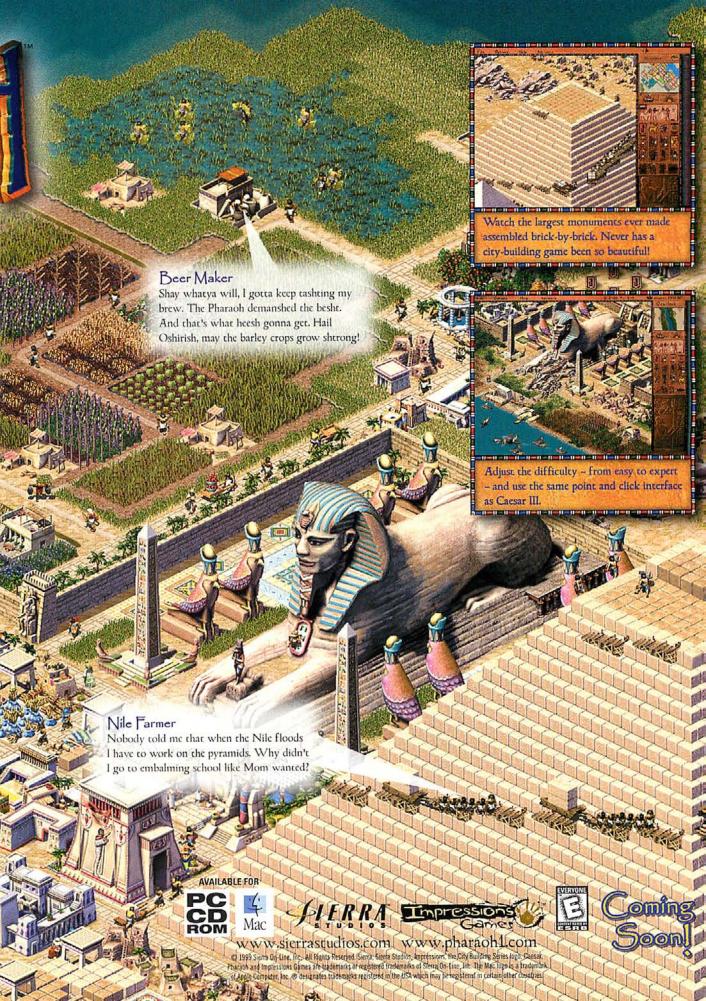
Stop! Thief! My God Ma'at gives me the power to strike you down where you stand! Feel lucky punk?

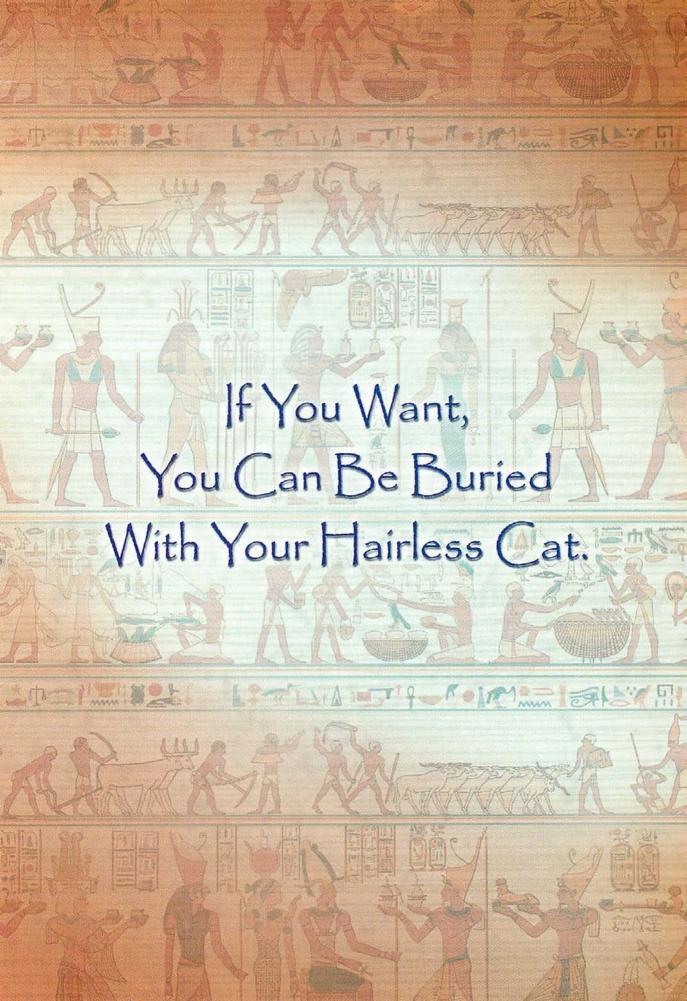


# Thief

The Pharaoh's palace is filled with loot.

They'll never notice if a little is missing! I might anger the Gods, but you won't catch me rowing in a galley all day. Next stop, the Beer Maker's. Stealing is thirsty work.





NEED FOR SPEED: HIGH STAKES Is a Dream of a Racing Game

## **Auto Eroticism**



EED FOR SPEED: HIGH STAKES is a racing enthusiast's dream. With a new financial model, new exotic cars, over a dozen tracks, and more racing modes than a Ferrari has gears, this game truly has something for everyone. Sporting an absolutely beautiful engine that is balanced nicely between arcade and simulation, NFS:HS is a blast to drive. With a number of new single- and multiplayer enhancements, it's easily the best version yet of this stellar racing series.

## Awash in a Sea of Options

HIGH STAKES offers so many different racing modes it borders on ridiculous. There are well over a dozen tracks that can be run normally, backwards, mirrored, or mirrored and

reviewed by Greg Fortune

backwards. There are 13 cars to choose from, with new cars available for download on the Web (www.earacing.com).

The new career mode is an awesome addition to singleplayer gameplay, featuring a financial model that requires you to win circuits of several

enjoyed being the police and getting

to drop a spike strip in the path of a

\$100,000 McLaren F1. Call it envy if

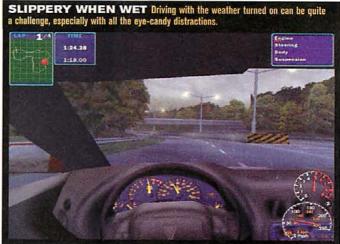
Honestly, I could think of only one

race that was left out - a demolition

derby - and using a Ferrari for that

races to advance. As you win, you'll earn money that you can use to repair your vehicle or to upgrade to a better car. The Hot Pursuit races (introduced last time around) are still a blast, especially when the police use coordinated tactics to trip you up. Then again, I really

WHICH WAY DID HE GO, GEORGE? The replays are great to watch and to point out where you blew your line (and why that tree ate



also available as multiplayer options, so you can get online with your friends and play "cops and robbers," run a single race or a tournament, or race for pink slips. The game is supposed to let you participate in a beta test for EA's upcoming Internet racing, but as of press time in late July, EA still hadn't gotten that running.

## Let's Rock

The most amazing thing here besides the tremendous selection of racing modes is how well they are all executed. There are no turkeys here. Whether you want to outrun the police, be the police, race alone or in a pack, you will not be disappointed. The Al opponents are challenging, but not invincible. The tracks are beautiful, well designed, and fun to race again and again. The cars' driving model is a perfect blend of a simulation and an arcade game - made even better with stellar force feedback effects. The result is cars that behave the way you'd expect them to in varied conditions, without being so pure that the game is inaccessible to novice drivers.

A note to the purists out there: You aren't going to be able to micromanage your cars in NFS:HS. You can buy upgrades to your cars to affect acceleration, braking and handling, and that's about it. But as far as I'm concerned, if I wanted to adjust the toe-in on my front wheels, I'd be out working in an alignment shop - not playing computer games.

## The Final Lap

Where other publishers would have split this much gameplay into a game and two expansion packs, EA once again delivers a product that offers more than anyone could have expected. The only thing I wish EA had included is a bag of coffee. This is one

of those games that will have you up at two in the morning, with your significant other screaming at you to come back to bed. Mine did. I

lamborghini.itg.net/ Official Lamborghini site. Well-designed and informative. www.needforspeed.com/hs\_pc/v\_va nityplate.asp Create an NFS vanity plate for your wallpaper!

seems pretty stupid anyway. The good news, in any case, is that you can damage these cars now - though the effect is more a cosmetic one than one you'll notice on the track. All of the single-player modes are didn't. GTT

you like.

Requirements: Pentium 200 (or P166 w/3D accelerator card), 32MB RAM, 50MB hard drive space. Recommended Requirements: P266 (or P233 w/3D accelerator card), 350MB hard drive space. 3D Support: Glide, Direct3D. Multiplayer Support: modem, serial play, IPX network, Internet; 1 CD per player.

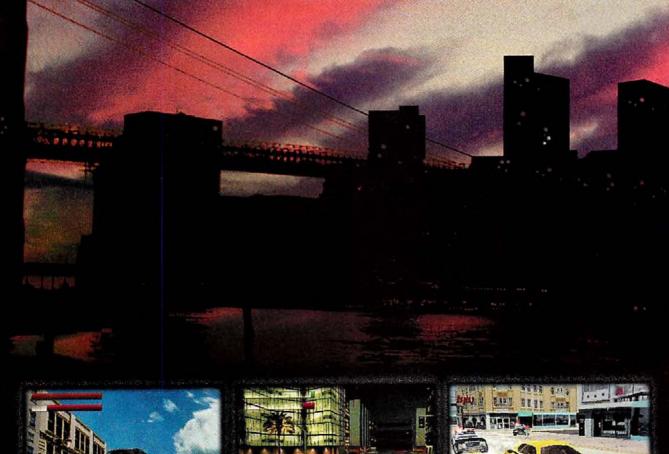
Publisher: Electronic Arts • Developer: Electronic Arts • Price: S49.95 • Contact: www.needforspeed.com **ESRB Rating: Everyone** 





can't have.

your car).



Hyper-realistic hubcap-popping collision physics.



No tracks. Just 4 sprawling urban downtowns from NY to San Fran.



Getaway through real pedestrians, traffic signals, traffic...and cops!



Mission-based gameplay plunges you deep into a life of crime.



Film your own classic 70's car chase using incredible Director-Mode



Surveillance, Tailing, Deliveries. Heists, And serious 70's muscle cars.





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"INCREDIBLY DETAILED GRAPHICS

MAKE THIS THE MOST LIKELY CONTENDER TO THE FANTASY TURN-BASED CROWN." - PC ACCELERATOR



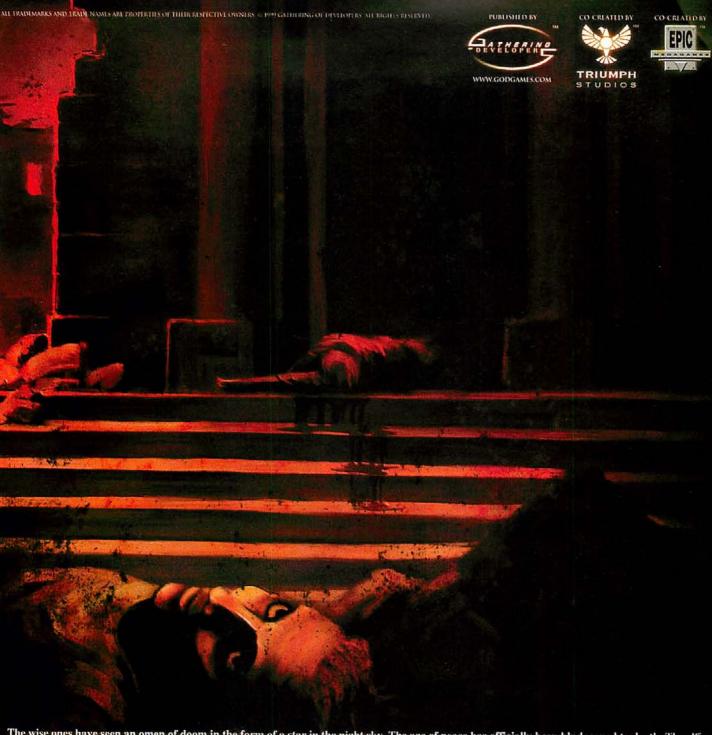
Choice of automatic (fast combat) or turnbased tactical combat. Conjure over 100 spells spread over 7 spheres of magic.



Attempt to forge strategic alliances with 12 different races, including humans, elves, frostlings, orcs, dwarves and the undead.



Over 100 different fighting units and more than 50 unique heroes that grow in experience and power.



The wise ones have seen an omen of doom in the form of a star in the night sky. The age of peace has officially been bludgeoned to death. The elfin court lies in ruin, and two factions have emerged. Battle flags have been raised, and silence has enveloped the land. This is the calm before the storm. You cannot choose to avoid the apocalyptic battle that looms on the horizon. Hatred and the need for revenge have a very long shelf life.



Make critical decisions involving siege units, heroes, captured towns, magic spells, immunities, and stealth.



Battle your way through vast open areas, breach the outer wall in city sieges and explore dark dungeons.



Kill Your Way to the Top in Xantrix's Shooter

## **Blood on the Streets**

he role of brutality in art and entertainment has been argued over at least since Plato, and the phenomenon itself is, of course, older still. Nothing in Saving Private Ryan is more brutal than the descriptions of battle in The Iliad, heaven knows. And nothing in a modern computer game is,

Yet the arguments rage on, especially in the wake of a senseless modern tragedy like the shootings in Littleton, Colorado earlier this year. Games like Xatrix's KINGPIN do little to calm things down. Set

in an urban environment peopled with thugs and junkies, KINGPIN is one long killing spree punctuated with occasional puzzle solving. The plot is opaque at best - a throwaway about one thug seeking revenge against a bunch of others - and the action is bloody in the extreme. Toss in a soundtrack by bad-boy rappers Cypress Hill and lots of explicit, gory visuals and what you've got is a poster

boy for the anti-DOOM crowd.

But here's the snag: the game is actually quite good. Not perfect, no - but so much better than the average first-person shooter that no objective observer could fail to see it. So what is a gamer to do? If the level of gore disturbs you more than the quality of the game entices you, you don't have to put the disk in the drive, and you don't have to let your kids play it either. (There's also a "low violence" mode, if you're the sort of person who likes halfway steps.) But for

the many of us, KINGPIN has enough to offer that it more than makes up for the more egregious excesses of which the game is guilty.

To set the tone, the game opens with not one but two savage beatings. The first you receive; the second you inflict. Your first weapon is a length of lead pipe, found in an alley. With money scavenged from your victims' pockets you buy your second, a crowbar, which you then use to beat up a couple of rent-a-cops guarding a warehouse. This gets you a shotgun, which

you use inside the warehouse. And so on, through level after level of increasingly fastpaced combat against

foes ranging from ordinary street toughs (with and without pit bulls) to well-protected

The environment in which this all takes place is astonishingly rich, and the combat itself is correspondingly detailed. There are no generic locations here - every brick wall, tunnel, tenement rooftop, sewer, and dock is rendered with great care - and the combat is not generic. Every shot you fire that hits an enemy hits him or her somewhere specific, and the impact is reflected in the wound that

results. A pistol shot to the thigh will result in a bloody leg and a crimson trail on the ground as your victim limps away. A machine gun burst to the head from up close, on the other hand, will leave a decapitated corpse on the ground and lumps of flesh scattered for some distance around.

Not all of the fighting is left in your hands. In each of the game's seven sequences you have the opportunity to hire fellow thugs to follow you around and do your bidding. Without fail they end up dying, but before they give up the ghost, a combination of your orders and some rudimentary Al enables them to fight on your behalf, giving you a chance to prevail in some of the game's otherwise lopsided battles.

And fighting's not all there is to do in KINGPIN (although it is the

## **Pipe Dreams**

Suspenseful and engrossing gameplay in a novel setting; great visuals, atmosphere, and level design.

CGW RATED

PROS

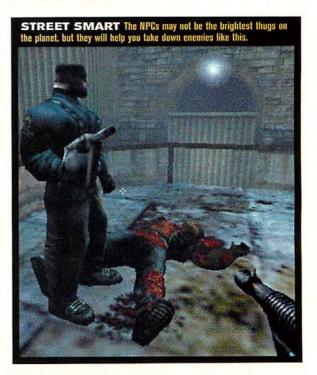
CONS

Four-letter words slathered on with a trowel; violence so graphic it makes Saving Private Ryan look like Mary Poppins.

Requirements:Pentium II 233, 64MB RAM, 570MB hard drive space, 30 acceleration required. 

Recommended Requirements: Pentium II 300, 128 MB RAM, 570MB hard-drive space, 30 acceleration required. 3D Support: Most Glide and Open GL cards. - Multiplayer Support: Most Glide and Open GL cards.

Publisher: Interplay - Developer: Xatrix Entertainment - Price: \$49.99 - Contact; www.interplay.com ESRB Rating: Mature; animated blood, gore and violence; strong language (low violence version included)





vast majority of what you do). Each sequence contains goals beyond the killing, and attaining those goals requires creativity on the player's part. Whether it's as simple as manipulating water pumps to uncover a sunken corpse or as complicated as shutting off the electricity in a refinery to enable a safecracker in your employ to get past the fence guarding a safe, the puzzles here are well integrated with the story. Although it's not always clear why your character agrees to go on the quests other characters send him on ("Won't you rescue my

kidnapped brother?" asks one complete stranger, and you do), the guests add structure and drama to the game in a way that the game's overarching plot never quite does.

## Thug's Bugs

The absence of a stronger top-level plot is a shame, but it's not a serious problem; after all, how many shooters have any real story at all? More of an issue is the game's dialogue, which was scripted by someone with a tin ear for, but also a love of, profanity. Everyone you meet, friend or foe, greets you by cursing in your face, and the handful of animated cut scenes intended to stitch the game's sections together sound like a David Mamet play as performed by someone with Tourette's Syndrome. How many times can the word "fuck" be used in a single sentence? More than you can imagine.

KEEPING IT UN-REAL For all its gritty realism, KINGPIN does stray from the real world with some of its lowlifes-a hard life and drugs have scarred this girl's arms with countless sores but her tremendous breasts have miraculously flourished in this rough environment.



The only reason it's not offensive is that it sounds so silly.

Other problems include Al limitations for the NPCs: your men sometimes get stuck on objects (one of mine spent ten minutes hopping around, trying to follow me out a window I'd just jumped from), and they often make stupid mistakes in the middle of a firefight. There are also various problems with the graphics (enemies vanishing into walls or hovering in mid-air, characters' skin rippling like a waterbed) as well as with the load times - restoring a saved game can take forever. And how does it add to the realism of the game for every woman in it. from pumped-up assassins to strung-out crack whores, to have identical enormous breasts?

But this sort of micro-criticism, though valid, is a distraction, much as abstract criticism of the game's level of violence is.

> What makes KINGPIN so satisfying is that it succeeds in immersing you in an environment, much more than most other games have. As stunning as HALF-LIFE is, for example, I've never felt as deeply immersed in its locations as I did in the impeccably rendered and convincingly familiar city streets of KINGPIN. And as scary as HALF-LIFE's headcrabs are, KINGPIN's filthy rats and vicious dogs and even more vicious humans gave me a more visceral jolt.

> KINGPIN offers an effective and memorable thrill ride, well paced and well designed. More than that I don't believe is fair to demand. When did we start expecting to get our models of moral conduct from our computer games? All I can say is that you won't find any here. But if what you're looking for is a compelling piece of entertainment, that you will find. Assuming your stomach is as strong as your trigger finger is fast, KINGPIN will blow you away. दिना

## On The Defensive

How scared are game designers and publishers about the new antiviolence backlash? Plenty, judging from this "editorial" by KINGPIN designer Drew Markham which all new users must read before completing their installation:

n light of the recent acts of youth-related violence that have taken place across America we thought that you should know how KINGPIN was initially conceived. KINGPIN was never intended for children. This is a game with mature themes made for a mature audience. There was never any attempt to market or influence children to buy KINGPIN. In fact, magazines in which advertisements ran were carefully selected to only have an adult audience. We also took special care to insure that the "Mature" rating appeared very prominently on the package as well as within the game.

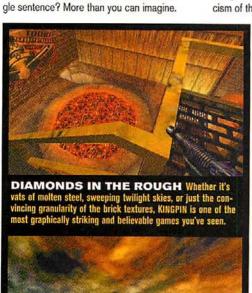
As the creator of KINGPIN I sought to make something that would appeal to a mature audience. My influences in making this game were mostly cinematic, and I wanted to explore those themes and share them with other adults who have similar tastes. As a parent, I also realize what my role is in protecting my child from influences that might have a disturbing effect. I certainly do not consider KINGPIN appropriate fare for my child, but I cannot sit back and hope that the government or some public interest groups will protect her; that responsibility is up to my wife and myself alone. As soon as we as a society abdicate our personal responsibility towards protecting and caring for our children we give up our basic freedoms as Americans: freedoms that have been hard fought and even harder

As parents, we must look into our own backyards and see what our children are doing and become more personally involved with their activities, ideas and friends.

## www.planetkingpin.com

The premier news site for KINGPINrelated happenings.

kingpin.pcgame.com A central location for KINGPIN mods, cheats, tweaks and strategies.





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WWW.MECHWarrior3.COM

WWW.ZONE.COM

\*Actual model: FLSTF Fatboy













'Mechs, Mo







Journey through 7 environments including an opulent Persian palace, a fantastic dirigible, and Tibetan cliffs.



Use deft precision and razor sharp timing to destroy countless foes—each with combat AI that adjusts in real time.



Stealth and agility are your only hope against hundreds of traps like scythes, guillotines and spring-load spikes.



Your bow and enchanted arrows can silence distant opponents and solve environmental puzzles.



Defeat 30 distinct types of enemies through the mastery of your lethal sword, bowstaff and double blades.



14 spectacular indoor and outdoor levels will test your wits as well as your resolve.















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New World Computing Chooses Story Over Looks

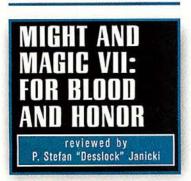
## **Seventh Heaven**



ew World Computing's MIGHT AND MAGIC series soared back to prominence in early 1998 with the release of MIGHT AND MAGIC VI: THE MANDATE OF HEAVEN. While it provided gamers with an expansive world, dozens of quests, and addictive character development, it lacked a compelling plot, and ultimately became tedious-

ly combat-intensive.

Instead of going back to the drawing board, New World Computing opted to weave a more involving storyline and to tweak the game's engine in response to gamers' most common complaints. The result of NWC's machinations is MIGHT AND MAGIC VII: FOR BLOOD AND HONOR, a successor that offers significant gameplay improvements, but graphics that look a bit dated.



## Archie and the Ironfists

Picking up after the end of the wars depicted in NWC's spin-off HEROES OF MIGHT AND MAGIC III, the plot of FOR BLOOD AND HONOR also wraps up a few loose ends from MIGHT AND MAGIC VI. With good King Roland Ironfist presumed lost in Enroth, his wife Catherine has established unstable peace on the neighboring continent of Erathia. While her subjects suspiciously watch the forces of the bordering elven nation, Roland's brother Archibald has become the guildmaster of the death-worshipping necromancers; he has resumed his scheming ways by hatching a plot against the realm's virtuous sorcerers. Each of the leaders has an agenda, giving MMVII a more complex plot than its predecessors.

After completing a tutorial set on a small island and winning a title of nobility, you can freely explore Erathia at your own pace, undertaking quests and either assisting or thwarting one of the political factions. Ultimately you'll have to align with either the forces of light or darkness—but you can put off this decision until well into the game. Once you've made your choice, the game's interface will

change to reflect your moral inclinations, and the game's plot will kick into high gear as the inhabitants of this world respond in kind. The different ethical paths also affect character development and significantly improve the game's replayability.

## Long Live the Evolution

While the developers clearly worked to make the background plot more relevant and involving in this episode of the series, MIGHT AND MAGIC VII is still primarily a hack-and-slash game, at least in comparison to more story-driven RPG fare such as the FALLOUT games. Gameplay essentially consists of stomping monsters in order to gain enough experience points for your

characters to evolve to god-like levels.

While virtually all role-playing games emphasize character development to some degree, the MIGHT AND MAGIC games require players to drastically enhance their characters' abilities in order to succeed. Killing tons of monsters to transform your characters from puny spark-tossing neophytes into two-handed sword flailing titans of destruction will occupy the bulk of your time.

That said, character development and creation options have been beefed up by the addition of a new "grandmaster" proficiency level for skills, and by several non-human character races. Monks and thieves are back, and you can have goblin, elven or dwarven party members, which should appease series veterans who were dissatisfied with the limited party member choices in MIGHT AND MAGIC VI. The character classes are also more distinctive this time around, due largely to skill proficiency restrictions imposed upon the classes, which prevent all of them from eventually evolving into formidable archer/warrior/magic-

user hybrids.

Only a few spells and skills have been changed since MIGHT AND MAGIC VI, but the new additions vary the gameplay notably. Several of the new spells, such as Invisibility, Stun, and Berserk, give players additional options for dodging imposing confrontations, and grant a welcome reprieve from the wall-to-wall combat that otherwise dominates exploration.

# R2-D2 HE AIN'T As in previous games in the series, science fiction elements pop in towards the end. Intriguing or misplaced?

## ALL THE PRETTY HOUSES

The automap now allows you to get the names of buildings, but the names aren't as descriptive as you might like. What goes on in the "pretty house"?



PROS
Expansive gaming

world; involving story; solid traditional-style RPG with some new interface tools.

CONS

Outdated graphics; mediocre 3D support; interface could use tweaking; some areas are tediously combat-intensive.

Requirements: Pentium 133, 32 MB RAM, 375 MB hard drive space, DirectX 6.1 compatible video card. 3D Support: Direct 30. Multiplayer Support: None.

Publisher: The 3DO Company • Developer: New World Computing • Price: \$50 • Contact: www.3do.com ESRB Rating: Teen; animated violence.

Money is much easier to come by in MIGHT AND MAGIC VII than it was in THE MANDATE OF HEAVEN, and even if you run low on funds you can now do some trading or resort to stealing. The addition of creature vs. creature battles, which are occasionally scripted but can also be instigated using the Berserk spell, adds some entertaining depth by giving you fortuitous NPC allies, and by allowing monsters to devour the cardboard townsfolk that otherwise meander aimlessly through your realm.

## Interface Consistency or Stagnation?

When MIGHT AND MAGIC VI added smoothly-scrolling 3D graphics and the option for real-time gameplay, veterans of the series were pleased to discover that the new game played much as the previous installments. Since MIGHT AND MAGIC VII adds the ability to move in turn-based mode, the game feels more than ever like the older games in the series - which is both good and bad. In some ways, it's a shame that the series hasn't evolved to allow players to move individual characters separately, as even when performing dangerous tasks - such as scouting or lockpicking trapped chests - you'll expose vulnerable characters. It's also impossible to view the gaming world without the obstruction of the interface sidebars, even though there are keyboard hotkeys to access all interface items. There is still no option to allow you to view and navigate the 3D world more conveniently with the mouse, even though this has become standard in first-person perspective games, and was incorporated several years ago by RPGs such as Bethesda Softworks' DAGGERFALL.

MIGHT AND MAGIC VII has, however, incorporated a few subtle but significant interface improvements. You can now access the inventory of your party members while inside a shop, allowing you to identi-

fy, repair or sell items using the party member with the highest merchant skill. You can now right-click on the automap to identify the names of buildings - which unfortunately can be non-descript (and you can't add your own annotations). The auto-notetaking function has also been enhanced, as it now records the locations of master and grandmaster (but not expert) trainers if you're informed of them by other characters, but not inexplicably - if you happen to bump into those trainers on your own.

## Colored Lighting or **Visible Colors?**

Although initially promised, 3D graphics hardware sup-

port proved to be too impractical for the development team to incorporate into MIGHT AND MAGIC VI. Direct 3D support has been included in MIGHT AND MAGIC VII, but it isn't implemented very well. While the Direct 3D version adds some nifty colored-lighting effects, it makes the colors of characters and creatures look less detailed and distinguishable than they appear in the software version. The software version is quite good, but looks outdated compared to recent hardwareaccelerated offerings, such as Verant's EVERQUEST. Sound effects have been

completely recycled from MIGHT AND MAGIC VI, but the new musical score is excellent. There are no fatal bugs in the game, but there are a few graphical quirks with the Direct 3D version that can cause textures to display

es with EAX 3D sound enabled, although that problem may be attributed to Creative Labs' drivers.

In spite of the lack of groundbreaking improvements, FOR BLOOD AND HONOR is definitely a high point for the MIGHT AND MAGIC series. Although the game is still very combat-intensive (even for a role-playing game), there aren't as many creatures to contend with as there were in MIGHT AND MAGIC VI. Battle-adverse gamers can take advantage of the new spells and skills that allow gamers to minimize fighting and enjoy other activities.

The game has been well designed with varied environments and lots of little rewards for diligent explorers. The development team has even thrown in an enjoyable, although not particularly challenging, Magic the Gathering-type card game. Although the game's dated graphics and rigid interface may limit its appeal beyond fans of the genre, the fact that virtually every aspect of MIGHT AND MAGIC VI has been improved upon should more than satisfy fans. All told, MIGHT AND MAGIC VII is a strong installment in a great RPG series.

## **SOFTWARE VERSION** Notice how the colors are actually software version verses Direct 3D ally more detailed and less washed out in the DIRECT 3D VERSION incorrectly. The game occasionally crash-

**Burn your accelerators, people!** 

You've been deceived!

FRIEND-O-GENIE These stacked lamps can raise attri ling upon the month they're used.



www.xmission.com/%7Epflick/mm7/ Magic Grounds, a great all-purpose MM7 site loaded with info. www.arabin.com/arcostructure.htm Amazingly obsessive site about the built-in Arcomage card game. www.angelfire.com/ca2/cooljerk/cooljerk.html Cool Jerk's RPG center. Good maps, hints, tips.



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It's Darkstone. Fully realized 3-D environments. A vast and beautiful world of castles, dungeons, caves, and forests. Male and female versions of the warrior, the thief, the priest, and the sorcerer. Over 100 types of evil beings. 32 levels of dungeons. Grisly swordplay and mind-blowing spell effects. A player-controlled camera with the ability to zoom in, zoom out, and swivel 360 degrees. A random quest generator for nearly infinite replayability. The unprecedented ability to control two characters





## DIABLE MET YOUR HEW MISTRESS

simultaneously. It will release your tortured soul from the devil and deliver you into the grip of a far greater evil.

The world is living under the reign of a cruel dragon. Villagers are turning to stone. Armies of skeletons, swarms of wasps, and lumbering ogres lurk everywhere. Evil is spreading like a vine. And only you can stop it. Scattered across the kingdom are seven ancient magic crystals. Without them, you have no hope. You will creep through dungeons, explore wilderness and glades, and encounter traps, curses, and puzzles on your quest to unearth the crystals. It will take courage. It will take cunning. It will take your mind entirely off Diablo II...









www.godgames.com

DUNGEON KEEPER 2 Is a Demonic Delight

## **Devil's Advocate**

et's face it: You're evil. Just good, old-fashioned bad. But because you don't want to do serious time or I have your mom get really, really mad, you don't

show it. You swallow all those cutting remarks, return that lost wallet, and when you're stranded on a mountain with your soccer team

and with no hope for survival, you deceptively assent that of course you should wait for someone to actually die before you cannibalize them. And swallowing all that nastiness has left you with an achy-breaky, cold, black heart.

Well, my amoral friend, what you need is DUNGEON KEEPER 2. Reveling in all that's good about being bad, DK2 is the best time a budding

little monster can hope to have. And for all you goody-two-shoes out there, be warned: This game is so unbelievably fun you may find yourself slipping over to the dark side.

antipathies. For instance, you'll need to keep your voracious bile demons housed near a hatchery and away from skeletons, unless you want to run the risk of their abandoning your dungeon and your unholy cause. Fortunately, a handy little



"flower" above every creature's head quickly updates you as to the creature's mood, current needs, hit points, and experience level for easier management. Additionally, the game will alert you to any dis-

satisfied creature so that you can immediately address its problems. As an omnipotent being, you can use the almighty hand that is your cursor to pick up troublemakers and relocate them or just slap them around to get them to do their jobs

Unlike a more traditional RTS like

STARCRAFT, DK2 gives you no control over the creatures you have in your army. You have to build rooms and hope that you can attract the critters you're looking for. This affects strategy in a

couple of ways: You have to decide early on what your priorities are (do you build libraries so warlocks

come and upgrade your spells?), and it forces you to adjust your approach when you attract a mix of creatures that don't exactly fulfill your wish list. While the lack of control over unit generation may frustrate some gamers, more adaptable players will welcome the unpre-

dictability.

Movin' on up!

With equal parts SIMCITY-style management and traditional real-time combat, DK2 is a hybrid game similar in some ways to CAESAR III but with a significantly more infectious and demented sense of fun. As a dungeon keeper, it is your job to carve out underground chambers, mine gold, and wage war against the self-righteous forces of good as you strive to work your way up to the sunlit world above. By "zoning" parts of your twisting subterranean keep as torture chambers, libraries, casinos, and more, you are able to attract creatures through magical gateways called portals.

Managing the dark angels, rogues, and warlocks you attract is part of the

game's challenge. Every creature has basic needs that must be met: You'll mine gold to pay them, and build lairs and hatcheries so they can rest and eat. But the creature management goes deeper than that, with every creature having specific needs, desires, and

BURN, BABY, BURN If one of your creatures hits a ackpot in the casino, you'll be treated to a rousing three minutes of 'Disco Inferno,'' complete with boogying monsters.

## CGW RATED

PROS

Great balance of management and combat; evil to its nasty little core.

CONS

Can't replay missions; shortish campaign; can't play as good guys; plodding multiplayer.

## MOVING IN A horde of creatures invades an enemy room. Note the "flowers" above the creatures' heads indicating their health, skill level, desires

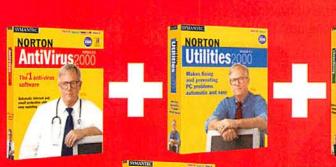
## Fighting the Bad Fight

But what's the point of having a pack of rat-visaged vampires if you can't go wreak some mayhem? Fortunately, DK2 has ample opportunity for battling the forces of good.

Combat is a very unusual affair insofar as your lack of direct creature control extends to the battlefield as well. While all your dungeon denizens have different strengths and weaknesses in a fight (dark elves are great at long-range defense but vulnerable to melee combat), you can't really tell them

Requirements: Pentium 166, 32MB RAM, 300MB hard drive space. Recommended Requirements: Pentium 266, 64MB RAM, 3D accelerator. 30 Support: Direct30. 30 Support: Most Glide and Open GL cards. Multiplayer Support: Modem (2 players), Internet, LAN (2-4 players); 1 CD per player.

Publisher: Electronic Arts • Developer: Bullfrog Productions • Price: \$39.95 • www.dungeonkeeper.com ESRB Rating: Mature; animated blood, gore, and violence.







## Five New Solutions.

SYMANTEC.

**The problem with computers** is they always seem to have problems. That's why more people in the world depend on Norton software to keep their PCs out of trouble than any other.

And the smartest way to keep your computer working just became a no-brainer. Because now there's new Norton SystemWorks™2000, with improved versions of all our award-winning programs.

Inside one box is everything your system needs to find and fix glitches. Zap viruses. Free-up unused space. Wisk away unneeded files. Guard against crashes. Even update your computer automatically.

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Everything you need in one fully integrated suite:

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Get Off To A Faster Start On Monday.

Did your computer wake up feeling overloaded and sluggish today? Seems it can't load your database as fast as it used to?

Perk up its performance

with Norton Utilities,<sup>™</sup> America's most popular system-optimizing and conflict-solving program.

With just one click, it'll give your entire machine a complete check-up. Including your CD-ROM, speakers, sound card, video board, modem, even your mouse.

You don't need to call in a computer repairman when you've got a doctor (the Norton Disk Doctor™) on call 24 hours-a-day.

## Vaccinate A Virus On Tuesday.

It looked like such a friendly, innocent little e-mail.

But by reading it, you opened up a Pandora's box of corrosive code. In the blink of an eye, it

"If you want the best defense against system problems, turn to the granddaddy of all utility packages, Norton Utilities."
Smart Computing, 598

could have wiped away a year's worth of work. It could have screwed up your data. It could have tucked its deadly digital infection deep inside your hard drive. It could have, and would have...but you had Norton AntiVirus.™

NORTON O A AntiVirus 2000

"The 1999 Software Product Of The Year!" Windows Magazine, 7/99 We've inoculated more computers than any anti-virus software ever invented.

And our new 2000 version packs even stronger antidotes. It automatically scans all incoming e-mail attachments. It stops ActiveX and Java code

assaults. It even updates itself without having to restart your system. With 100,000,000 computers on the Internet, it's a big, contagious, wired world out there. To keep your PC in the pink, fight infection with Norton protection.

## Clean Up The Clutter On Wednesday.

Sure you bought the biggest, baddest hard drive in the store.

But that was before everyone you ever met e-mailed you.

Before whiz-bang plug-ins so you could visit one site...once.

NORTON

CleanSweep

Before MP3.

Before video grabs and digital photos.

Before the hottest Sim game needed 8 CDs. Isn't it time to throw open the window, and toss out all that clutter!?

Sweep away your unneeded files, unused programs, and unnecessary junk. With the #1 choice for hard drive clean up...

Norton CleanSweep."

## Catch A Crash On Thursday.

Tick...tick...tick...tick.
Like some technological timebomb,
all computers are doomed to blow up.
Only you can't predict when yours
will crash. Or why it will freeze. The
only thing you know for sure is that it

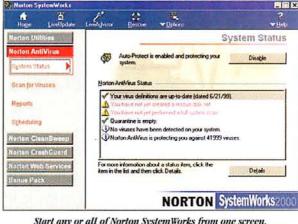
happens to everyone.

And generally it happens when you can least afford it. Like when you haven't saved your work for over an hour. Or just after you've entered the last address in a 385-person mailing list. Or the final numbers into a tedious spreadsheet.

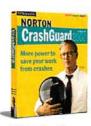
We think the best defense is a stronger offensive. That's why Norton CrashGuard" jumps right into the path of an oncoming crash. It protects your work first, even creating a SafeOriginal," then guides you step-by-step through

Crashes happen.
Just make sure you're not crushed by the next one.

recovery.



Start any or all of Norton SystemWorks from one screen. No rebooting!



"Superb....it informed us of problems we did not previously know about." InternetWeek, 3/99

## Call For An Instant Update On Friday.

Has another week flown by already? In this high-tech world, a thousand things can change in only five days. There are new software updates, system patches, bug fixes, hardware drivers, and virus definitions. Luckily, you've got a six-month subscription to Norton Web Services." It's the most comprehensive PC resource center on the Internet.

Like a Yellow Pages for computer support, it's the one place to turn for all current system maintenance information and downloads.

Internet "operators" are even standing by. Our Norton support staff is there,

online, to assist you in real time. And if you'd like, we'll even notify you about the latest developments, by e-mail.



## Take A Break On Saturday With Our Free Bonus Pack.

As if owning "the best utility suite" (Windows Magazine, 3/99) wasn't reward enough, we're sweetening the deal. We've added a special Bonus Pack that includes Zip-It!" which shrinks any files you want to archive, or makes them faster to e-mail.

You'll get Norton 2000™ Bios Test & Fix. If you want to go to sleep this New Year's Eve without waking up to a nightmare on New Year's morning, check your PG now!

You'll be able to send and receive faxes directly from your computer with your bonus copy of WinFax™ Basic Edition. There's also Symantec Visual Page™ for building and managing your own personal Web page. Even encryption software to safeguard your private files from prying Internet eyes.

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You can snooze as late as you want, because Norton SystemWorks is awake and alert to any potential PC problems.

Our award-winning programs are protecting your computer, automatically, 24 hours-a-day, 7 days-a-week.

So surf the Web. Play a game. Or, don't even touch your computer.

"Like a lifesaver bobbing on a turbulent sea, Norton SystemWorks will keep you afloat." (InternetWeek, 3/99)

## "It's The Obvious Choice."

-PC Magazine

"Norton SystemWorks brings together several best-of-breed utilities for significantly less than you'd pay to get them separately. For

one-stop shopping for system utilities, it's the obvious choice."

- PC Magazine, 5/99

"...does even more to help Windows users deal with the headaches of system crashes, missing or corrupted files, computer viruses, and other facts of Windows life."

—PC Week 4/99

What's the secret of our success?...
Norton

Symmetry!

In May, when PC Magazine bestowed it's prestigious Editors' Choice Award on Norton SystemWorks, they said, "...the real advantage lies in SystemWorks' integration."

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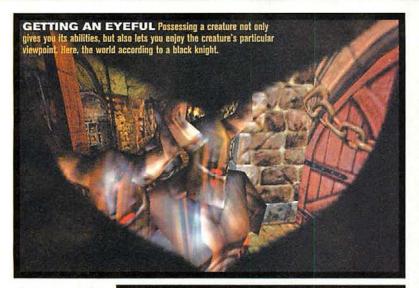
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where to go and what to do. You can pick them up and drop them where you want them to be – trolls up front, skeletons behind the enemy – but you surrender control at that point. It can be frustrating at times, this powerlessness.

But there are ways you can influence a battle. You can cast thunderbolt spells to knock down the

enemy, you can heal your troops, or you can set off a devastating inferno if you've claimed enough land to accrue the necessary mana to cast the spell. By keeping your troops healthy and in charge of a fight, you can prevent the morale lapses and chaos that will result in their fleeing.

But the most efficient way to take charge is to possess a creature. Casting a possession spell transforms you into the creature, taking you to a first-person view. In this mode you enjoy combat and morale bonuses, though you lose the ability to cast any spells other than those that the possessed creature may have. Possession is also a great way to penetrate and destroy enemy defenses prior to a full-scale invasion.

About those defenses: You've got a number of them yourself, and their skillful deployment is frequently crucial to victory, since you're not the only tunneling terror. Spike traps impale invaders, lightning traps electrocute them, and magic doors attack them while denying entry. The catch is that the traps dip into your mana reserves for maintenance.

Some 20-odd missions comprise the single-player campaign, a great mix of simple invasions, timed missions, and some special-objective scenarios as well. For example, one late mission asks you to capture, torture, and convert to your side three hero princes; the catch is that you have to take

FEELING HORNY? The horned reaper is your most powerful creature, but it can only be summoned for short periods of time and for large amounts of mana.



them all simultaneously or the others will escape. It's a delicate mission that hinges on planning and timing and is unlike anything in any other game. Unfortunately, you can't go back and replay missions after completing the campaign, a real shame considering there are points in the game where you must select one mission from a set of three to advance. Multiplayer games are great fun, if a little long to resolve, but you still can't play as the good guys. A skirmish mode lets solo players enjoy multiplayer games alone.

What really makes DK2 a joy to play is the design of the game, an unmitigated triumph of dark humor and creativity. Even in software mode the game is gorgeous, with beautiful lighting and spell effects and funny creature animations. But the real highlights are all the little things: The imps dragging fallen enemies back to your prison, the dominatrix mistresses torturing themselves to pass the time, the outstanding voice work of your dungeon-keeping mentor, the monster dancing when a casino jackpot is hit, and the sounds of the creatures, especially the maniacal cackling of a horde of homicidal skeletons. You could spend your time just watching this game and have a better time than you would playing a host of others. I haven't had a better time playing a game all year. ATT

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- Expand your dungeon in one direction at a time. Nothing is worse than having to divide your forces because you've stumbled onto enemies in multiple locations.



- Before breaching rooms packed with enemy units, build sentry or lightning traps outside your planned entry point. Then knock out two sections of wall so your traps can attack more enemies, especially those support troops in the back.
- Don't use your thunderbolt spell offensively. You're better off using your spell points on healing your own units during battle so they survive and earn experience. Instead, use thunderbolt defensively to knock down ranged troops until your forces can reach and attack them.

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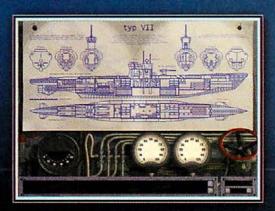
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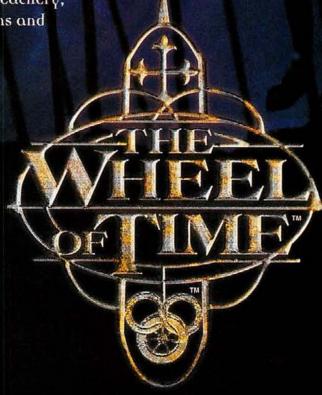
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## **Battleship Brawl**

he Designer's Notes for FIGHTING STEEL (FS) make it clear that this is a game with focus. The focus is naval surface combat - no aircraft or submarines. The focus is the beginning of World War II, before Allied numbers and technology began

to tip the scales. The focus is also tactical - battles start at the moment of contact.

With such a narrow focus. you'd expect FS to do its thing really well. Indeed, the design succeeds in accurately portraying the major factors: visibility, weapon systems and damage. However, the game feels rushed and

incomplete. There are many bugs and glitches. For single player they are minor and don't affect play, but the multiplayer problems are more serious.

## By the Rockets' Red Glare

FIGHTING STEEL's 3D engine gives you a panoramic view

of the action. The ship models are accurate and the effects - explosions, smoke, fires and splashes - are good. Watching the turrets turn and belch forth a broadside is exciting, and the sound is superb. One wishes for a greater variety of effects, but that merely underscores the quality of what's here.

The 12 historical scenarios are either UK vs. Germany in the Atlantic or USA vs. Japan in the Pacific.

For additional play, there's a Battle Generator that creates battles for instant play, as well as a Scenario Editor. Both have data for 97 classes of warships from the four nations, ranging from battleships to

Both the Editor and Generator create historical or fantasy battles. Historical means that you can't use a ship that wasn't actually available at the time of the scenario, and that factors like crew quality, damage control, and dud rates follow historical patterns. In a fantasy battle, all restrictions are off and you can do anything you want. Want to see how Bismarck would fare against Yamato? Have at it! Unfortunately, due to the strict focus on the period before 1943, many of the USA's best designs are missing - including lowaclass battleships, Alaska battlecruisers, Baltimore heavy cruisers, and the large

PREPARE TO DROWN A few minutes later,

the Bismarck, surrounded by 18-inch shell splashes, rolls over and sinks. Size does matter!

PREPARE TO FIRE The Bismarck turns to bring all guns to bear on the Yamato. Camera controls are at right, navigation controls at bottom.

Sumner and Gearing destroyers that came late in the

The interface works fairly well, but it uses too much screen space and requires more button clicking than it should. The camera control panel, for example, could easily be half as big. The control window takes up the bottom one-third of the screen, and forces you to switch among six command stations and from orders to status. There are several little annoyances that can slow you down but don't affect play: Views don't stay centered when zooming; messages are lost once they leave the screen; and the Ship Viewer (database) does not open to the currently selected ship.

Finally, there is Division Commander mode. This means that you command a single division of ships instead of all the divisions. In some of the larger battles, a force may be divided into four or five divisions, so many friendly ships may be out of sight, as well as beyond your control. This mode is best-suited for multiplayer. adding the elements of teamwork and identification to the mix.

## Will it Have Critical Mass?

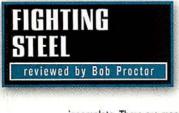
Potentially, FS could be as successful as SILENT HUNTER, another realistic game that had a scenario editor and sold a couple of expansion packs. However, FS has had a much less auspicious start and

may not generate the sales to get the ball rolling. Let's hope SSI gets on top of the bugs quickly, as this could be a fun game in both singleplayer and multiplayer modes. 337

welcome.to/markgame Information tables and scenarios. www.fightingsteel.com The official site. www.german-navy.de/games.htm History and photos of WWII warships.

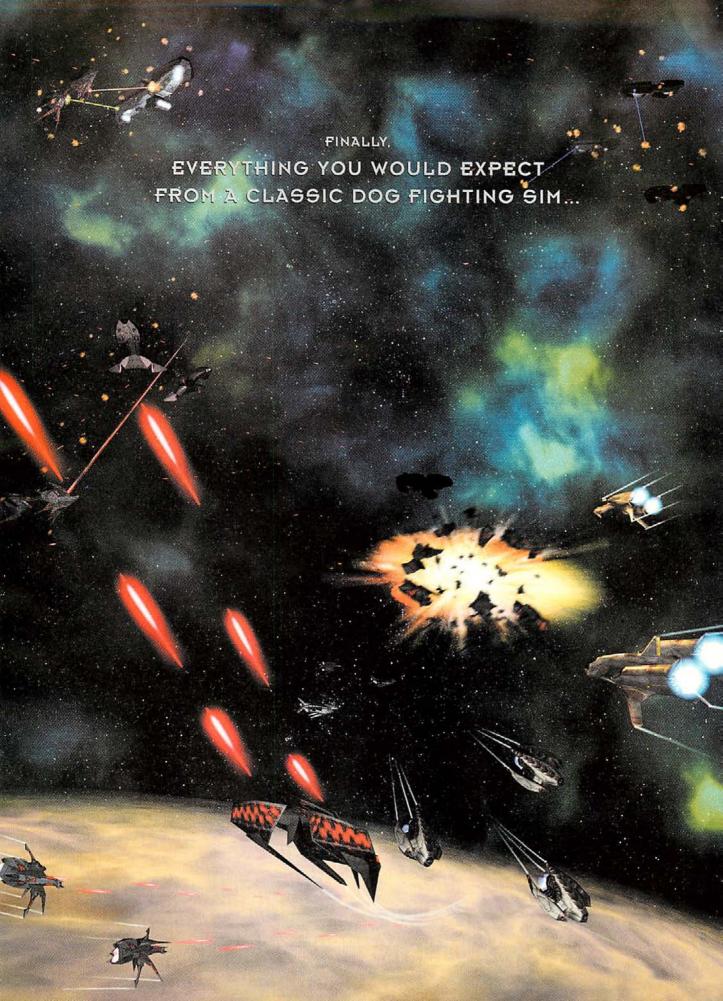
Requirements: Pentium 200MHz, 64MB RAM, 4x CD-ROM, 3D card with 4MB memory, 175MB free space. Recommended Requirements: Pentium 266MHz, wavetable soundcard, 3D Support: DirectX. Multiplayer Support: Up to four players over Internet or LAN; modem and direct cable.

Publisher: SSI • Developer: Divide by Zero • Price: \$60 • Contact: www.SSIonline.com ESAB Rating: E; animated violence.

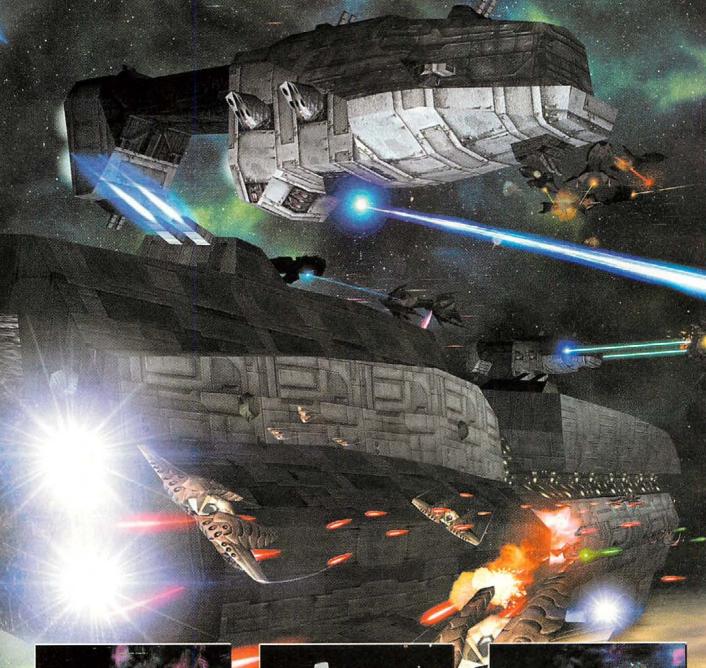




assorted bugs.



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## PREESPACE















PGA Championship Golf 1999 Edition Gives Us a Great Mouse-Swing but not Much Else

## **Par for the Course**

or the longest time, I was afraid that Sierra's PGA CHAMPIONSHIP GOLF 1999 EDITION had been lost in the shuffle. After all, the Sierra Sports division hasn't exactly been the poster child for corporate stability of late. Considering how

FOOTBALL PRO '99 bit the dust in January, I wouldn't have been surprised if this promising release had also vanished into the ether.

My worries came to naught when the game finally shipped in late May. But now that it has arrived, I realize my concern was for nothing, PGA CHAMPIONSHIP is one of those titles that is so nondescript it's hardly there. You'll play the game a lot, maybe even incessantly for a few days - as I did and then completely forget about it. This is the computer equivalent of the

solid character actor who is instantly recognizable by face, but not by name. If ever there was a game that needed the American Express card, this is it.

**Swingers Only** 

PGA CHAMPIONSHIP goes out of its way to be different. While all the standard golfing options are available -12 types of play from medal through Ryder Cup format, an offline tournament mode, Internet multiplayer (restricted to www.won.net), varied difficulty levels, seven courses including notables like Sahalee and Royal Birkdale, and so on - Sierra made some interesting tweaks to try to set its game apart.

For starters, forget about lining up your shot via an aiming pole; here, shots are readied by rotating the golfer's feet and choosing a proper setup. Strategy is very important. To succeed in this game, you'd better know what a draw is. I had a tough time dealing with this approach. Even as a student of the game, I found this intensive and limiting. It also turns golf into too much of a strategic challenge. Maybe that's how it is for the pros, but most of us are recreational duffers who are doing great

> on the "move mouse/swing club" concept introduced in FRONT PAGE SPORTS GOLF many moons ago, the

revamped swing interface feels more natural than anything else on the market. Although it's still nothing like swinging a real golf club, it affords you unprecedented control over the computer equivalent.

A remarkably easy-to-use course architect is also featured. Instead of building courses hole-by-hole, you start with a quick sketch of all 18 and can then fuss with the details to your heart's content. This program might not be as powerful as that bundled with JACK NICKLAUS 6: GOLDEN BEAR CHALLENGE,

CAN YOU TELL I MISSED? Some interesting animations await, depending on how you play. Here, I suffer a brain aneurysm after missing an easy tap-in from two feet.

but it is far more user-friendly.

Physics are quite good, if not up to the exacting standards of the LINKS LS series. My one major qualm is with the lack of real breaks on the greens. Even the most pronounced slope doesn't require much in the way of compensation. I hit almost every putt either straight or a fraction to one side with great success.

## In the Rough

While crisp and clean, the distinctive graphics are too cartoony for my taste. Golfers are little more than animated mannequins, devoid of any facial features. Is that Tom Lehman or an extra from Pink Floyd's The Wall? Only Sierra knows for sure. Courses are nicely drawn, yet

> plain. Giving us seven to choose from was a good idea; giving us seven that are more or less identical was not.

> Audio effects are missing in action. There's no satisfying clunk as the ball drops into the cup, and the crowd's reaction to shots is a static-like murmur. Playby-play is provided by Nostradamus and Jeane Dixon - uh, make that Mark Lye and Grant Boone - although the mistaken identity is forgivable since the twosome have an uncanny knack for predicting where your ball is going to drop. When one says that you might be heading for the rough, that's exactly where you're going. This proves to be very annoying and kills the suspense of watching the ball in flight. Unless you absolutely, positively can't

leave home without a fantastic mouse-swing shot option and a honey of a course architect, there are better golf games out there than PGA CHAMPIONSHIP GOLF. JACK NICKLAUS 6 offers a far more attrac-

tive package along with a comprehensive course designer. LINKS LS 1999 offers an unsurpassed physics engine and gameplay. Sierra hits par with this game, but against excellent competition, that may not be enough for everyone. CGW

wonswap.won.net Official site for new courses. www.sahalee.com Official site of the game's best course.

www.golf.com Mammoth all-purpose golf site.

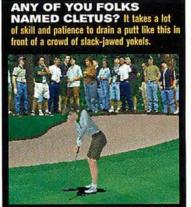
Requirements: Pentium 133, 32MB RAM, 4X CD-ROM, 80MB hard drive space. Recommended Requirements: Pentium II 266, 64MB RAM, 8X CD-ROM, 110MB hard

PGA CHAMPIONSHIP GOLF 1999 reviewed by Brett Todd

> just to hit the ball straight. Another noteworthy addition is the TrueSwing 2000 mouse-swing option. A dramatic advancement

Different shot setup might not be appreciated; cartoony visuals.





drive space. 3D Support: None. Multiplayer Support: Up to 64 players (in tournament mode) via wonnet (TCP/IP), LAN, modem. Publisher: Interplay • Developer: Sierra Sports • Price: \$30 • www.sierra.com • ESRB Rating: Everyone

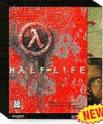


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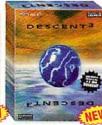


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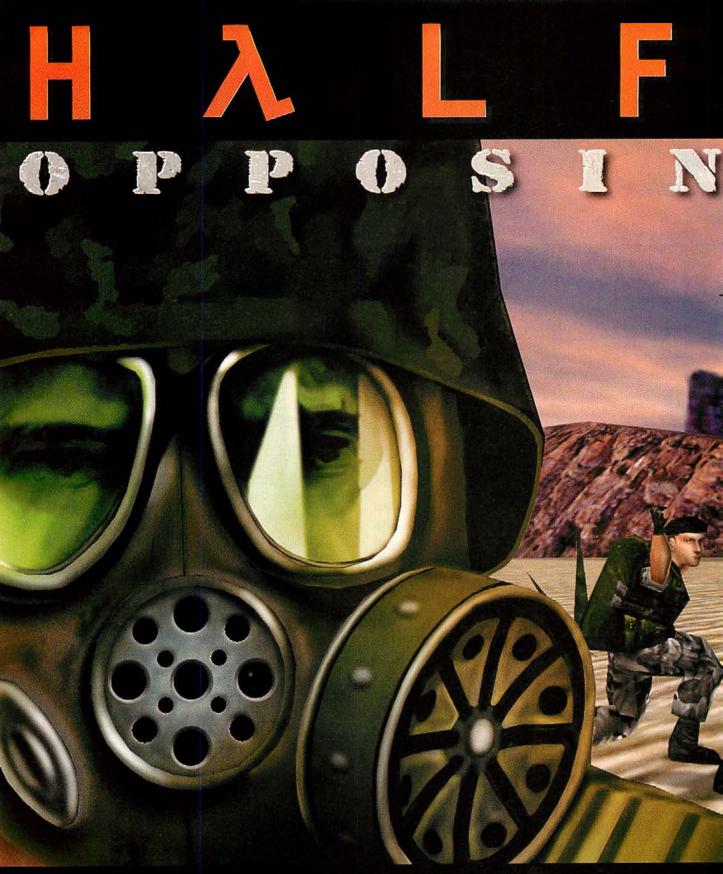
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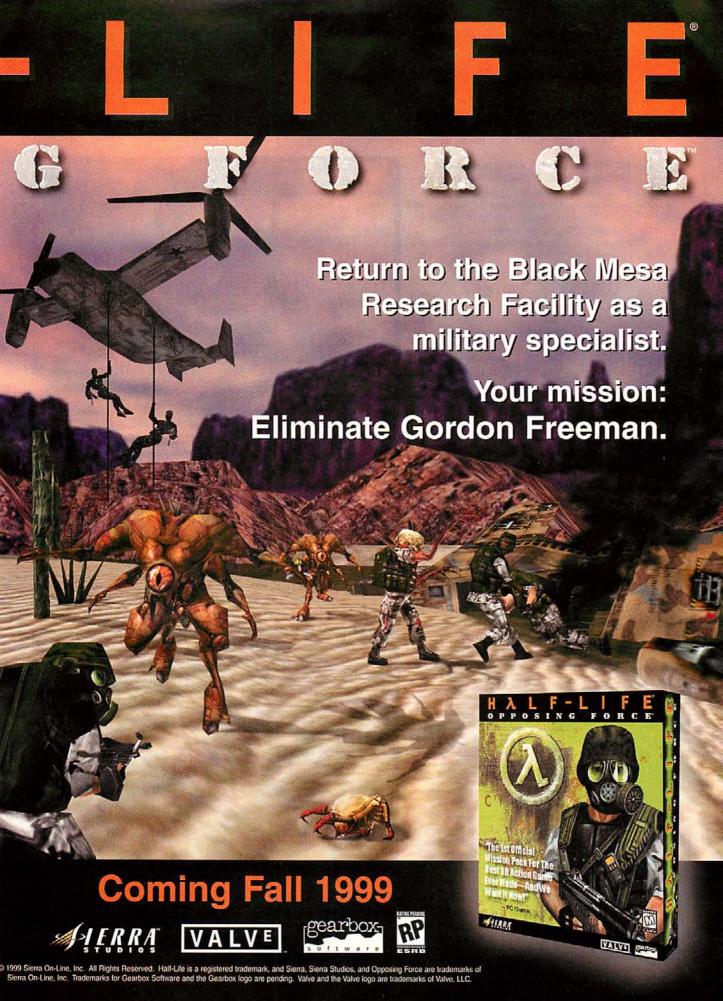
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**An Entirely New Episode** for the Game of the Year



# F-16 Action Without the Brutal Learning Curve

# **Falcon Lite**

-16 Aggressor won't impress the hard-core I flight sim group. The flight and weapons modeling, enemy artificial intelligence and linear campaign layout can't hold a candle to the detail of other F-16 games like FALCON 4.0. On the other hand, F-16 AGGRESSOR is a well-designed title for less demanding fliers, especially those just beginning to experiment with flight sims.

# Africa On \$900,000 A Day

The storyline casts you in the role of Reyas, commander of a mercenary F-16 squadron under the direction of a shadowy CIA operative known as Icarus, who uses the Aggressors against Maldonado,

the typical evil drug lord bent on world dominance. A mercifully few clicks will get you past the introductions to select your game type, arm your aircraft and get you launched. The four linear campaigns with

10 missions each are all based on the African conti-

nent. You must successfully complete each mission before you can move on, and targets are always in the same places, shortening the learning curve. Given that you are a mercenary, success is rewarded with cash and another mission. But this storyline is never fully developed. There are no cut-scenes, just some congratulatory text to move you on to the next sortie. The cash you earn is simply a means of keeping score; you can't buy better weapons or repair your aircraft. The mercenary storyline could and should have been used to give this sim depth and atmosphere.

### Passive Aggressor

Once in the cockpit, you'll find this F-16 incredibly easy to fly. Most players will blitz through each of the five training missions in a single pass. The landing

master; touchdowns that would fold the gear in FALCON 4.0 result in smooth "squeakers" here. Despite that, the manual a military specification flight model, and it does have a nice feel overall. The plane is suitably sluggish at low speeds, between angle of attack and power on approach,

phase is especially easy to speaks of "the highest level of realism and accuracy" in exhibits a good relationship and shows some decent



lift/drag relationships. At "corner velocity" and higher (450 knots +), it seems very pitch sensitive and twitchy. It's tough to get a "guns kill" in this sim until the turn-fight slows way, way down. And the weak enemy Al pilots accommodate you here, bleeding their energy to the point of stalling to turn on to your six, rarely extending or using the vertical. With missiles on your rails, the Al planes are easy meat. Saddling up on their six for guns is no challenge, but hitting them is, due to the twitchy pitch characteristics. A joystick scaling routine would help a lot, but is missing from the simplified game interface.

Weapon employment/effectiveness presents a similar situation. The basics are all here in an overly simplified form. All of them use "high

GAS ATTACK! This tanker is taking a Maverick amidships. The Mavericks are the weapons of choice for most ground targets; they almost never miss and will destroy nearly every target.

novices. CONS **Good story setup** wasted by weak execution; cockpit views lacking; weak enemy Al; impossibly accurate/powerful

weaponry.

CGW RATED

Nice graphics and

interface; forgiv-

ing flight model

and simplified

controls for

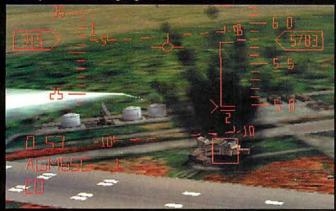
simple game

PROS

Requirements: Windows 95/98, Pentium 133MHz, 32MB RAM, 4x CO-ROM drive, 2MB DirectX 6.0 compatible video card, 50MB free hard drive space, plus 200MB for swap file, 20.8K modem for Internet play. Recommended Requirements: Pendum 200MHz, 32MB RAM, 8 x CD-ROM drive, 2MB DirectX 6.0 compatible video card, 4MB 3Dff card, 350MB free hard drive space. 3D Support: Direct30 or software DirectDraw. Multiplayer Support:TCP/IP over Internet, IPX over LAN, serial via null modem cable.

Publisher: Bethesda Softworks • Developer: General Simulations, Inc. • Price: \$39.99 • Contact: www.bethsoft.com ESRB Rating: Everyone; animated violence.

**COME IN HEADQUARTERS!** Nicely detailed ground structures populate the airbases but you'll rarely get close enough to appreciate the view. Targeting is done with simplified controls at long range.



power" modeling; a single Maverick will kill most ground targets. Forget the many modes of the radar; all you need to do is change the range now and then. While targeting key controls is a bit clumsy, once you're pointed at the target area it's easy to lock-on and kill. The only concern is to be well inside your particular weapon's range when you shoot; you'll rarely miss. If you're not a hard-core flight simmer, these features make the game fun to play, with

a high level of success in moderately difficult situations.

F-16 AGGRESSOR does a particularly good job with graphics. The cockpit gauges are easy to read, the HUD is sharp and clear, and the terrain is realistic despite the occasional "seam" in the tiling. Target

objects in the game, like tanks, are light on detail, but exterior views of your aircraft are beautiful. Enemy plane sizing is unrealistically small (a mistake common in almost every flight sim), but you can "zoom in" on the HUD to compensate. The one major gripe against the visuals is the pilot's view options. There are a slewable view and nine "keypad" fixed views that, with the exception of the HUD view, focus mainly inside the cockpit. The lack of "snap"

views" to quickly scan outside the aircraft is a major oversight. This "straight ahead through the HUD" emphasis once again underscores the entry-level aspect of this sim, since most vets keep their heads on a swivel.

### Debriefing

Taken as an entry-level flight sim, AGGRESSOR gets the job done. The interface is simple to navigate, the aircraft is easy to fly and fight, success is not difficult to achieve, and multiplayer options allow the competitive instinct to run free. These are the things that will draw a beginner deeper into the realm of flight. But other elementsmore interaction and depth in the storyline, a dynamic campaign, and greater emphasis on the economic aspects of a mercenary operation-would more fully absorb the player. F-16 AGGRESSOR's weak flight and weaponry modeling and enemy Al won't cut it for veterans. But hey, that's why we have FALCON 4.0. GTI

### www.janes.com

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# Eidos Keeps Apace With a Decent Rookie Effort

# **Strong Start**

■ ime was when officially licensed Formula One racing games were rare indeed. Lately, however, the FIA has been issuing licenses faster than Mark McGwire gobbles Creatine. The latest F1 game is Eidos' OFFICIAL FORMULA 1 RACING, a decent affair with lots of interesting features and a strong fun factor.

# OFFICIAL FORMULA 1 RACING

The game turns back the clock one year,

showcasing all teams, drivers, and circuits of the 1998 Formula One season.

It also sports several other simulation trappings: race and championship modes, believable environments, real team and event sponsors, a reasonably authentic driving model, and a garage facility. It is a challenging exercise far removed from racing's more forgiving "arcade" sub-genre, but lacks the detail and subtlety of the more hard-core sims.

The game presents a solid and precise ride that is nicely responsive, but doesn't fully come to grips with the nuances of physics. Wheelspin, for instance, though

fine when braking hard into a skid, is erratic when accelerating, and just plain wacko should the car leave pavement.

GOOD LOOKS One of the alternate views, raised directly above the driver's eyes, is for anyone who wants to see farther down the tr

The Al opponents have moderate skills but somewhat questionable collision avoidance. Bright enough to steer clear at speed and in certain unforeseen circumstances, their corner braking is inconsistent and sure to result in surprising rear-enders.

Graphics are impressive, with clean lines, light-sourced cars, textured roadways and well-worn racing lines. There's an incredible array of viewpoints, superb replay, variable fog levels, and TV-style picture-inpicture views of on-track action.

The game's even better audibly. Engines sound like F1 engines and are accurately source-sensitive, tires squeal when you need them to squeal, and the underside scrapes the ground with a grating clamor. In a true flash of brilliance, the designers introduced hissing wind, which changes in pitch and level when you're riding in the draft of another car.

Bottom line? This is a low-priced journey into racing sims that, while far from perfect, brings the sport to the masses without getting silly.

Requirements: Pentium 133Mhz, 16MB RAM, 60MB hard drive space. 3D Support: Direct30, 3dtx Glide. Multiplayer Support: Serial, modem, IPX or TCP/IP.

Publisher: Eidos Interactive • Developer: Lankhor • Price: \$29.99 • Contact: www.eidos.com • ESRB Rating: Everyone

# CGW RATED

PROS

Reasonable sim experience; great sound; lots of graphical treats and a wealth of camera positions.

CONS

**Quirky** opponent hehavior; sensitive wheelspin; unrealistic damage modeling.

ULTIMATE 8 BALL

PATEL

Wide variety of

opponents, and

game styles,

tables.

Settings, Characters Add Color to 8-BALL Gameplay

# **Hustler's Paradise**

smoky bar with leather-clad bikers and their babes bent over a stained pool table. An elegant, chandelier-lit pool room. A crappy coin-fed table in the back of a bowling alley. ULTIMATE 8 BALL allows you to play in any of those venues (as well as in some you'd

never imagine) against a cast of wildly colorful characters.

Don't expect VIRTUAL POOL 2 realism in the ball physics. The low table friction makes you feel as though you're playing on

glass, with balls rolling far further than expected. The action off the rails can also seem a bit odd, and english effects can be exaggerated. Still, the play feels good enough to convey a fairly realistic game of pool.

The most appealing aspect of ULTIMATE 8 BALL is the playing environment. You can play a single match, a tournament, or a "hustle" against up to 20 computer characters. The 14 game variations mix standards like Eight Ball with oddiBrunswick in your basement.

**HEAVY METAL** This neon and chrome table is a far cry from that

ties like Speed Pool. Your selection of opponents and locations is initially limited, requiring you to succeed in the "hustle" to make further options available.

The intriguing assortment of opponents, including Elvis look-alikes and New Wave girls, is both a strength and a source of disappointment. Although each player has a unique home table and playing environment, the characters have absolutely no interaction with you. No taunting, no teasing, no conversation, and no visual response to anything that occurs during the game. It's a real letdown.

Still, it's a blast playing in the unique and often bizarre pool halls and bars against the equally distinctive Al characters. Add in the 14 game variations, and you've got a game that provides a lot of fun for the money. - Jeff Lackey

Requirements: Pentium 166Mhz, 16MB RAM, 5MB hard drive space. Recommended Requirements: Pentium 200, 32MB RAM, 40MB hard drive space. 3D Support: Direct3D. Multiplayer Support: IPX or TCP/IP, modem, serial connection

Publisher: THQ • Developer: Mirage Ltd. • Price: \$19.95 • Contact: www.thq.com • ESRB Rating: Everyone

CONS No real interaction with opponents; tables are unusually fast.



TLIVE

"...unspeakably frantic gameplay and eye candy to die for..." - PC Gamer







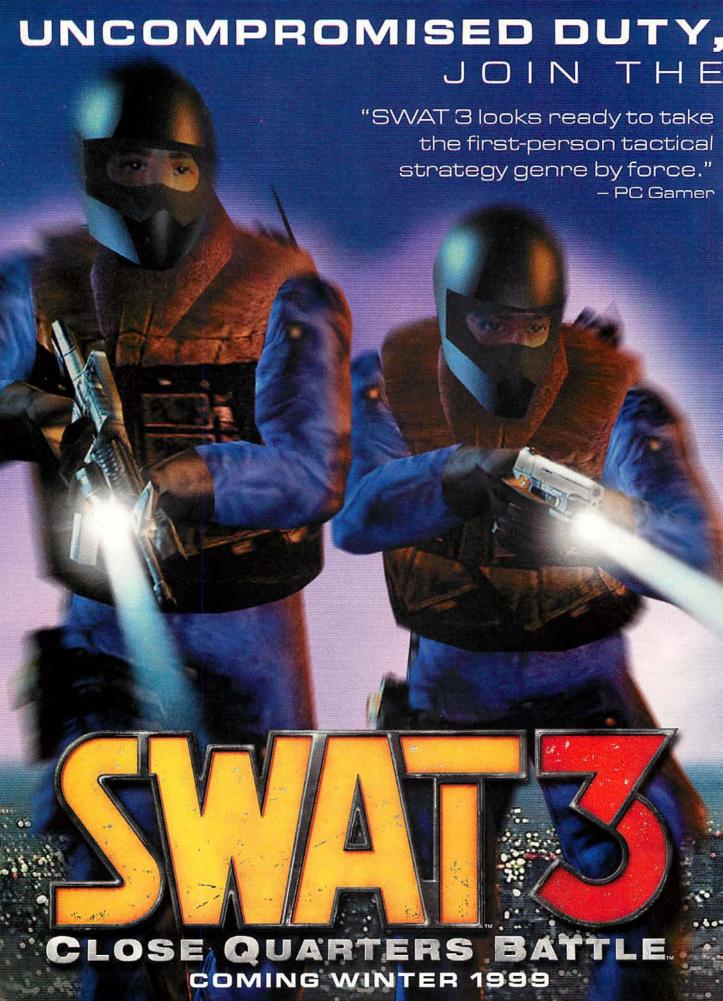


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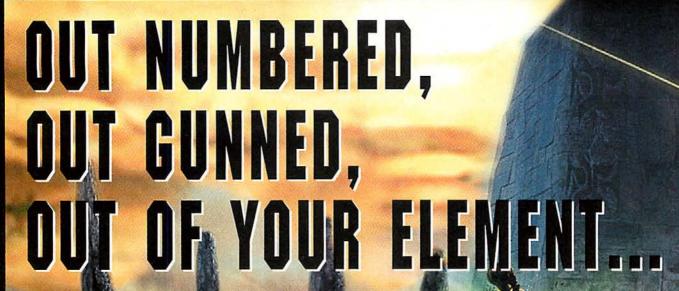


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# **UNREAL MISSION PACK: RETURN TO NA PALI**

ast year's best-looking shooter just received an upgrade. Not only does the NA PALI expansion pack patch UNREAL for stable multiplayer gaming, it's also compatible with UNREAL TOURNAMENT. Survive 17 beautifully rendered levels, including one particularly challenging mission that takes place on a downed Terran Spacecraft. Take



on new aliens like the spidery Spinners and

reptilian Predators – with a new arsenal of weapons, including the blistering combat

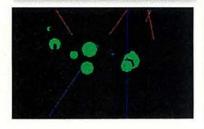
assault rifle, devastating rocket launcher with smart bombs, and a cool new potent grenade launcher with remotely detonated grenades. If you're still playing UNREAL, NA PALI is a no-brainer. – Raphael Liberatore

Genre: Action • Publisher: GT Interactive • Developer: Legend Entertainment

\$25 - www.unreal.com - ESRB Rating: Mature; intense violence.

# ATARI ARCADE HITS 1

Genre: Puzzles/Classics • Publisher: Hasbro Interactive • \$30 • www.hasbrointeractive.com • ESRB Rating: Everyone



# Gamers who fondly recall lining quarters across the screens of

games like TEMPEST and MISSILE COMMAND will enjoy this faithful revival. Sure you can get illegal bootlegs for free off the Net, but do they come with the original



cabinet art, not to mention clips of Atari

founder Nolan Bushnell waxing philosophic about inventing PONG? SUPER BREAKOUT, ASTEROIDS, CENTIPEDE, and the venerable PONG itself round out a package intended for 30-year-olds just discovering nostalgia.

- Charles Ardai

# AUSTIN POWERS: OPERATION TRIVIA

Genre: Puzzles/Classics • Publisher: Havas Interactive • Developer: Berkeley Systems • \$30 • www.sierra.com ESRB Rating: Teen

t must have seemed like a winner of an idea to cross-breed the spy spoof Austin Powers with the game show spoof YOU DON'T KNOW JACK.





Both exist to make fun of

the pop-culture excesses of the '60s and '70s, after all, and they share a similar taste for scatological innuendo. Who better to freshen up the JACK formula than the year's most shagadelic swinger and his hapless adversary, Dr. Evil?

Well, judging by the results, almost anyone. Disappointment sets in quickly when you realize that the Austin Powers and Dr. Evil voices in the game are handled by someone other than Mike Myers, and while this impostor's impersonation isn't bad, it's not quite right, either.

Gameplay hews close to the venerable JACK model – opponents buzz in to answer multiple-choice questions – but some of the new question types introduced are just poorly designed. Some questions rise to the inspired level you expect from Berkeley Systems ("Pale Rider": Clint Eastwood movie or brand of condom?), but many fall flat. And the ones that actually require knowledge of Austin Powers trivia rather than of general pop-culture arcana will please only hard-core fans of the films. It's a drag, baby, and should have been left in deep freeze.

- Charles Ardai

# BEATDOWN

Genre: Strategy • Publisher: Hot-B •
Developer: Soar Software • \$30 •
www.urbanconflict.com • ESRB Rating:
Teen; animated blood and violence.

ot-B has busted the proverbial cap in their own asses with the dismal BEATDOWN, a tedious and overly-



simplified attempt at a real-time strat-

egy game set in the 'hood. It is one of the worst games we have seen this year.

A real-time strategy game set in a modern, urban, gangland setting (the box proclaims it a new genre: Urban-

Action/Strategy) has potential. The resource management (pimping ho's and selling



crack) is novel, at least. But BEATDOWN isn't much more than dragging a group of color-coordinated hooligans around a boringly, repetitive, isometric map, looking for another group of color-coordinated badasses to kill. Add a clunky interface, moronic AI, and extremely un-fly graphics and you've got the recipe for some wack shizzat.

- Tom Price

# DRAGOON: THE BATTLES OF FRENERICK THE GREAT

Genre: Strategy/War • Publisher: Art of War Publishing • Developer: Boku Strategy Games • \$40 • www.boku.simplenet.com

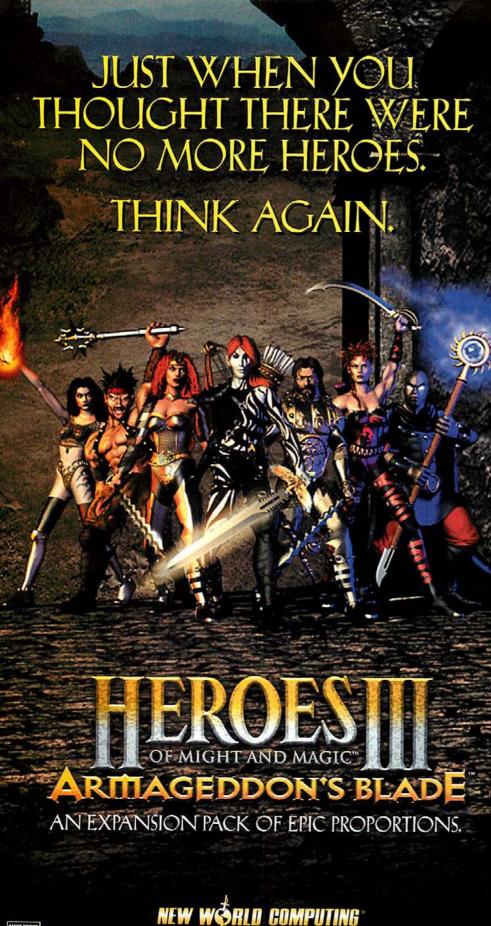
Napoleon got, Frederick the Great's military evolution is just as interesting. Art of War's definitive set of his battles accurately



portray Frederick's career in this

highly enjoyable regiment-level, turn-based title. Meant to emphasize Frederick's tactics





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and command control, DRAGOON covers the years 1757 to 1760 over the course of 16 scenarios. The game improves upon the graphics, sound, and interface of the previous games in the series, but the aesthetics are still far from state-of-the-art. In spite of this. DRAGOON will remain the definitive work on this subject, even if it does lack play-by-email and net-play capabilities.

- Jim Cobb

# MAN OF WAR II

Genre: Wargame . Publisher: Strategy First \$30 • www.strategyfirst.com ESRB Rating: Teen; animated violence.

he most touted new feature of MAN OF WAR II is its first-person perspective. Such a view would seem ideal for portraying the chaotic scene aboard a man of war during the Age of Sail. Unfortunately, MAN OF WAR II's "full-immersion view" can be both confusing and antiseptic, voiding its advantages.

MAN OF WAR II's full-view shows the decks of five types of warships. Using the cursor, you move your view from the stern

up to the bow. The graphics ★ ★ ★ ★ ☆ ☆ show nearby

vessels well, but something is noticeably absent: everything. You're on a ghost ship! There are no guns, no crew, and no standing rigging, which might be acceptable if other aspects of the view worked well. Unfortunately, maneuvering around the deck and down the companionways reminds me of a bad first-person game with the mainmast as obstacle. Worse, the control console surrounds the view, diminishing the "immersion" effect. Finally, the virtual captain is invulnerable, immune to shot and impervious to boarding actions.

The game is not entirely without merit. The gunnery model, multiplayer game, and fleet actions are handled quite well. But MOWII makes it only halfway to a decent sequel. It is an improvement on its predecessor, but the designers are still hampered by the original game engine.

- Jim Cobb



# RAILROAD TYCOON II: THE SECOND CENTURY

Rail fans should love RAILROAD TYCOON II: THE SECOND CENTURY. Not only does this comprehensive expansion set offer new industries to service and a campaign of 18 scenarios (six representing wartime and the post-WWII era, six represent-



ing the technology shift from steam to diesel, and six representing the near future), but it also offers new locomotives. easier track-laying, and better cargo-handling.

This add-on doesn't quite reach the coveted five-star status we'd like

to give it, because the game still lacks an UNDO command. Even with the improved interface, it's possible to click in the wrong place and spend unnecessary money on track that must immediately be bulldozed. Still, RAILROAD TYCOON II: THE SECOND CENTURY enjoyably expands the horizons of its predecessor, much like railroading expanded the world's economies in the early to mid-century.

- Johnny Wilson



Genre: Strategy . Publisher: Gathering of Developers . Developer: PopTop Software . \$40 . www.godgames.com • ESRB Rating: Everyone

# STUKA DIVE ROMBER

Genre: Simulations . Publisher: Data Becker • \$30 • www.databecker.com **ESRB** Rating: Everyone



ne of the most vivid images to emerge from World War II was that of the JU-87 Stuka diving out of the sky, swooping down on its target like a hawk screaming down on a terrified rabbit. Data Becker has provided a taste of what it was like to pilot these unique planes with STUKA DIVE BOMBER, an add-on package



MICROSOFT COMBAT

FLIGHT SIMULATOR (MSCFS). The program provides ten variations of the Stuka, including versions which were re-equipped for tank busting and oddities like the carrier variation and the ski-fitted "Snow Stukas." Also included are five Berlin airport scenery files. The manual claims that a utility to allow the Stukas to be flown in campaigns is on the disk - it isn't, but it can be downloaded from the Data Becker Web site.

The new aircraft are fun to fly in ground-

pounding missions and appear to be modeled correctly. However, given the limitations of the Stuka, they're best used in single missions, as the campaigns will have you flying inappropriate sorties like CAPs against Spitfires. Still, this is a package worth looking at if you're a MSCFS fan.

- Jeff Lackey

# JEFF GORDON XS RACING

Genre: Driving . Publisher: ASC Games \$40 . Developer: Real Sports . www.jeffgordonracing.com • ESRB Rating: Everyone

# espite the stock car racer's name attached to it, JEFF

GORDON XS RACING is about as far from real racing as you can get. Instead, it's set in the future, where race cars are capable

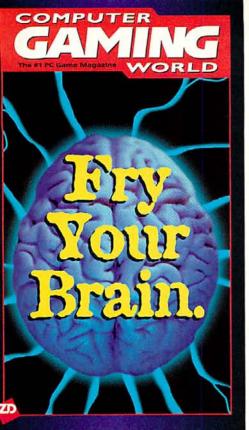


of speeds over 300 mph and can morph back

into pristine condition after a collision, within seconds. Gameplay is very fast and very simplistic, and the arcade-like action is funneled into a pretty but constrained environment that will likely grow dull and repetitive within the first dozen hours.

Although the 11 fantastical circuits are interesting - with tunnels, crossovers, raised ramps, ungodly jumps, hairpins and wide sweepers, enormous loop-the-loops, teleportation devices and alternate routes - they're just too short at this kind of speed. With lap times often under 20 seconds, and sometimes closer to - get this - 10 seconds. I was able to run all of them twice





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and win the XS Championship in the span of a single afternoon.

With no pits, garage, or upgrade shop, don't expect things to get more interesting off the track. A little something called Jeff's Racing School sees Mr. Gordon tutor in various aspects of racing, but his pearls of wisdom are more hurl than pearl. Add a lack of multiplayer support and you have a game that, despite the relentless Pepsi ads (among other shameless sponsor ads throughout the game), is far from the Choice Of A New Generation.

- Gordon Goble

# PRO 18: WORLD TOUR GOLF

Genre: Sports • Publisher: Psygnosis \$40 • Developer: Intelligent Games www.psygnosis.com • ESRB Rating: Everyone

t takes balls of Surlyn™ to release a golf sim today, with perennial



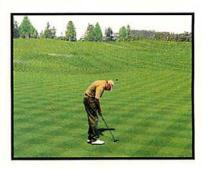
heavyweights LINKS LS and JACK

NICKLAUS continually adding features to already proven systems. So how can a

new player like PRO 18: WORLD TOUR GOLF hope to compete? Frankly, it can't.

PRO 18: WORLD TOUR GOLF introduces an innovative twist with its 4-click swing system, in which a second gauge measures your virtual wrist snap. It sounds strange but works very well, allowing significantly more ball control than 3-click systems. A promising start, but things go downhill quickly. Graphics are flat and crude, with golfers and terrain having the pasted-on look of three-year-old golf sims.

Once you hit, you're rewarded with a long pause and screen freeze before switching to a reverse view of the ball landing. Long pauses also occur while



waiting for the computer golfers to swing, eventually causing the less patient among us to scream at the screen like hecklers in other golf sims. Ball physics are less than stellar, and trees are mere holograms for your ball to pass through.

The best thing that can be said about PRO 18: WORLD TOUR GOLF is that is has no obvious bugs. There's absolutely no reason to select this game over the high quality golf sims already on the shelves.

- Jeff Lackey

# WEST FRONT BATTLE PACK 1

A fter all the uninstalling, installing, and downloading of patches needed to get running, you'll feel that you truly deserve the add-on riches TalonSoft offers in WEST FRONT BATTLE PACK 1. Not only does this expansion pack give you 50 new scenarios covering all the various theaters from 1940 to1945, it also provides nail-biting, balanced entertainment that will give fans of the game more than their money's worth in both single and multiplay.



TalonSoft didn't make many changes to the original game system, save for some Al tweaking to improve the units' ability to handle indirect fire and the capacity to retreat more intelligently. But once beyond the installation difficulties, this add-on is a tactician's dream come true. – Jim Cobb

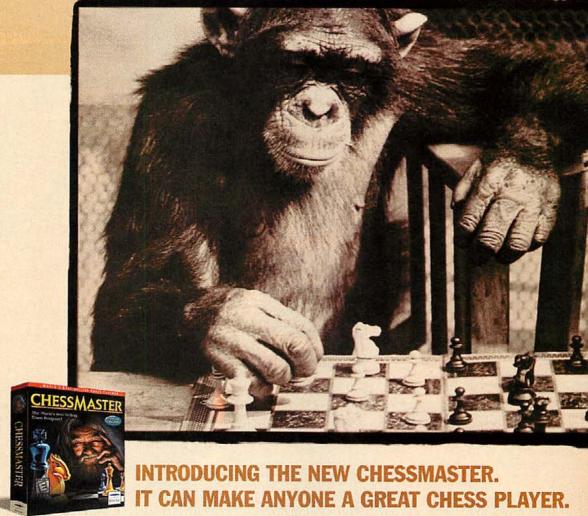


Genre: Wargame • Publisher: Gathering of Developers • Developer: TalonSoft • \$30 • www.godgames.com • RSAC Rating: Violence 1; damage to realistic objects.

# SOMEWHERE, GEORGE HAD MADE A MISTAKE. His Catalan opening had been flawless, Yet, somehow,

his opponent had forced his retreat and now held him in check. With his only remaining rook lured out of position and pinned, the situation appeared hopeless. This isn't Chessmaster, he thought, there is no replay option in this game. His mind raced back to the magnificent chess sets of Chessmaster. The lessons learned. The gambits and endgame strategies. The Chessmaster opponents against whom he had matched wits and sharpened his game, as he progressed through

tutorials in various levels. The voice of the Chessmaster, coaching him. And suddenly, in his hour of need, he heard the voice again: "Counterattack in the center... N-Q4." Why hadn't he seen it before?







GAME BOY COLOR













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# For more information, check out www.chessmaster.com

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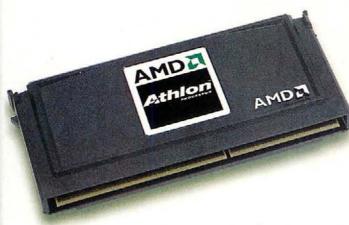
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**CPU Shoot-out** 

# Intel Pentium III VS. AMD Athon The landscape was litted to compare the mighty Intel. National thrown in the towel, selling arm. IDT and Rice street.

by Dave Salvator and Loyd Case

It's high noon in the fight for the fastest chip in gaming. Backed by its posse of standards and computer manufacturers, Intel's got lots of muscle. But it no longer has the fastest gun.



he landscape was littered with the burnt CPU chips of those who dared challenge the mighty Intel. National Semiconductor had thrown in the towel, selling off Cyrix, its CPU-making arm. IDT and Rise struggled to gain a foothold at the low end of the market, where Intel's Celeron could squarely outgun them in price/performance. Finally, one last challenger remained that posed any kind of threat: AMD. AMD's K6-2 and K6-III processors had fared well against the juggernaut, but always lacked comparable floating-point performance, a key consideration for gamers seeking optimal 3D performance. But AMD had a trick up its sleeve: the K7, AMD's 7th generation chip. And for the first time, Intel had a fight on its hands.

The K7 has arrived under a new banner, Athlon, and this new CPU is taking no prisoners. Bloodied by repeated price wars with Intel's Celeron and Pentium II, AMD is hoping to use Athlon to reverse its fortunes and start dealing some blows of its own. AMD is in a must-win situation, since it cannot afford another war of attrition with Intel, whose manufacturing and market share leave it in better stead to wage such war. But even if Athlon can win the performance battle, it hasn't won the war. Intel, who sits on 80 percent of the CPU market, is not going to go down easily. Intel is firmly entrenched with system makers-not only with its CPUs, but also with system chipsets, motherboards, and numerous industry standards that it defines (PCI, AGP, USB). AMD faces the challenge of besting Intel's chip performance, and also of delivering CPUs in quantity, along with stable, compatible system chipsets and motherboard reference designs.

But we must now set these weighty issues aside and address the biggest question of all: Who now has the best gaming CPU out there?

### And the Winner Is...

Fellow gamers, we find ourselves at a historic moment. This shoot-out marks the very first time that Intel hasn't come out on top as the best gaming CPU. That's right folks, read it now and let it sink in later: Athlon bests Pentium III clock for clock. For those in the love-to-hate-Intel camp, it is a time of much rejoicing. For Intel

Intel camp, it is a time of much rejoicing. For Intel devotees, it's time to sit back and ask "what the hell happened?"

For over a year now, Intel has been using their Pentium II core to cover the three main CPU market segments: low end, mainstream, and workstation/server. The Pentium III brought us SSE, those special instructions that help make 3D games go faster, but that aside, this CPU core hasn't fundamentally changed since Pentium Pro.

Meanwhile, AMD has introduced two generations of CPUs: first the K6, and now Athlon. With Athlon, AMD is going for the jugular with a CPU that outguns Pentium III on integer and, more importantly,

# There Can Only Be One

uns were drawn, bits were fired, and when the smoke cleared, there was only one chip standing: the AMD Athlon. The Athlon matched or exceeded the Pentium III's performance in nearly every benchmarking face-off. In one of the most important areas of chip performance for games, floating-point math, the Athlon posted significantly better marks than the Pentium III.

But speed is not everything in the chip game: There's the price,

and then there's delivery of the chip in sufficient quantity to match demand. Intel is sure to best AMD in price, and there's some doubt about AMD's ability to deliver chips in quantity. So if you want the ultimate chip for gaming performance, look to the Athlon, but expect to pay a premium and to do some hunting around.



floating-point mathematics performance. As you'll see from our tests, the results are faster benchmark scores and, most importantly, faster game performance. In just about every game we threw at these CPUs, Athlon was either faster than or equal to Pentium III at the same clock rate, which is no small feat for AMD.

So AMD has taken Round 1, the performance battle. But it must also win the war of delivery, manufacturing these speedy CPUs in quantity along with solid chipsets and compatible motherboards. And that, despite Athlon's superior performance, could still trip up AMD.

### Intel's Pentium III 600MHz: Still a Strong Contender

Intel, despite being bested this round, is still a very ferocious competitor. And they're certainly not sitting still, with at least

architectures in development simultaneously.

The Pentium III still has the Level 2 (L2) cache separated from the chip, running at half speed (300MHz). This will likely be the last of the traditional Pentium III CPUs, since Intel's next generation Pentium III-code-named Copperminewill have 256KB of L2 cache right on the chip running at the chip's full clock speed, and it's rumored that Coppermine will use a socket format. The current Pentium III's cache bus and system bus are actually

separate (Intel calls this design Dual Independent Bus), allowing cache access to be executed separately from system memory access. There is 32KB of Level 1 (L1) cache, separated into a 16KB instruction cache and a 16KB data cache. Contrast this with Athlon's 64KB instruction cache and 64KB data cache, for 128KB total L1 cache. Like the Athlon, the 600MHz Pentium III uses a 0.25-micron manufacturing process, so cooling fans are a must at this frequency.

Intel's instruction set for accelerat-



# GADGETS FOR GAMERS

t's not Kit, The Talking Trans Am, but Clarion's AutoPC is another step

closer to the computing car. This

**AutoPC** 

by Denny Atkin

AM/FM/CD in-dash stereo sports a 35-watt, four-channel amp, as well



as 16MB of RAM and a Hitachi SH3 processor running Windows CE. Want to change tracks on your CD? Just tell the AutoPC, and it will confirm using speech synthesis. You can even look up addresses via voice without removing your hands from the wheel. Add-ons include a cell-phone cradle with modem, a wireless receiver that accesses data like real-time traffic reports, and a six-disc changer that attaches via a USB port. Best of all, with the optional GPS receiver, it saves you from the ultimate embarrassment of giving in to your spouse and pulling over to ask for directions. Clarion AutoPC, \$1,299, www.autopc.com

# INSIDE **HARDWARE**

Loyd Case .....200 Killer Rigs.....202 Tech Medics .....204 Reviews ......206

Plantronics Stereo Headset Asus MEW Motherboard Madcatz PantherDX Digital Joystick Turtle Beach Montego II Entrega USB Hub **CH Products USB Gamepad** 

ing 3D graphics transformations and lighting goes by the sexy acronym SSE (Streaming SIMD Extensions). SSE works with single precision (32bit) floating-point instructions and can operate on up to four pieces of data in a single cycle. Some of the new instructions also speed up memory transfers, particularly transfers of graphics data.

### The Road Ahead

Until now. Pentium II/III's strong suit has been its X87 floating-point performance. This fast floatingpoint unit (FPU) handles transform and lighting (T/L) calculations in 3D graphics, making Intel CPUs optimal for gaming. Despite the existence of fast 3D cards and even SSE, it's been the FPU that's done the transform and lighting calculations in 3D games. With respect to floating-point performance (once Intel's ace in the hole), Intel now trails Athlon's new and improved FPU.

The now-venerable 440BX chipset is another limitation. The entire front-side bus-both access to the North Bridge (the circuitry through which the CPU talks to system memory) and from the North Bridge to the system memory bus-runs at 100MHz. AMD's chipset accesses its North Bridge at 200MHz. By this time, we expected to see both the Coppermine CPU and Intel's 820 chipset on the market, complete with faster bus access and RAM-BUS DRAM (RDRAM), but the 820 chipset has been

The Price war
CPU Street Price
AMD Athlon 600MHz\$950
AMD Athlon 550MHz\$725
Intel Pentium III 550MHz\$625
Pentium III 500MHz\$405
AMD Athlon 500MHz\$500
Note: At press time, Intel was gearing up for yet another round of price cuts, so check the Web or your local dealer for the latest prices.
Source: PriceWatch

delayed. Rumors have it that RDRAM performance hasn't met expectations.

Beyond Coppermine, Intel is working on its 7th generation architecture, codenamed Willamette, but it isn't due to surface until the second half

of 2000. Rather than just another incremental evolution. Willamette will involve a substantial rearchitecting of Intel's CPU core. It will still be a 32-bit architecture like current chips (called IA-32) but will likely deliver great increases both in integer and floating-point performance. Intel will be more than a year behind AMD in delivering their 7th generation chip, giving AMD a fighting chance. More near term, we've heard that Intel will be adding its SSE instruction set into a lower-cost Celeron product, though Intel is still keeping mum, so we don't have a release date as yet.

### AMD Athlon 600MHz: Welcome to the Winner's Circle

We had been hearing rumblings about Athlon's performance potential, and we wanted to believe. But given our past experiences with AMD CPUs, we were skeptical as to whether AMD could really pull it off. Well, they did. And as it turns out, not only do they beat Intel at the same clock rate, but they'll most likely have a 650MHz Athlon shipping before Intel ships a 600MHz Pentium III. What really impressed us wasn't just AMD's clock-for-clock performance versus Intel, but the system's stability as well. Not one of our test games crashed or ever

# How We Tested

n testing CPUs, there are three performance areas to consider: integer (whole numbers), floating-point (decimal numbers), and floatingpoint SIMD (the ability to work on multiple pieces of data at once). To test integer performance, we ran WinBench's CPUMark99, which simulates the integer workload generated by leading business applications. To evaluate floatingpoint performance, we used a combination of tests: WinBench's FPUMark and our own 3D GameGauge, which uses games that make heavy demands on the CPU's floating-point unit to do transform and lighting of 3D graphics. To evaluate FP SIMD (Intel's SSE versus AMD's 3DNow), we again used a combination of tests. 3D WinBench has two tests to evaluate CPU performance running Direct3D's transform and lighting (T/L) engine. One tests the speed of doing just transforms, while the other tests both transform and lighting performance.

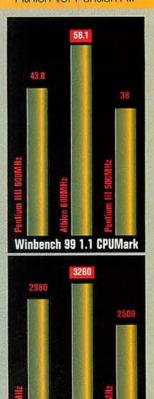
But there's a technical issue that we need to cover here, so brace yourself. If you're not into techie detail, just know that Athlon still wins the FP SIMD contest and move on.

Direct3D has a feature called guard-band clipping, a process that determines which part of an object at the edge of the screen is on or off the screen. We tested with

quard-band clipping enabled, so that this function was performed by Intel's SSE and AMD's 3DNow. The two architectures delivered roughly the same performance, though AMD is a bit faster. But in transform performance alone, AMD is much faster, to the tune of about 65 percent. This is important, because games are more likely to use the transform part of D3D's T/L engine, rather than both transform and lighting, since lighting in a game is what gives it a distinct look and feel. Game developers in the past have written their awn T/L engines to achieve their own unique look. But of the two. lighting is what brings the unique look/feel, where as transforms (the movement of polygons from scene to scene) is a more generic process.

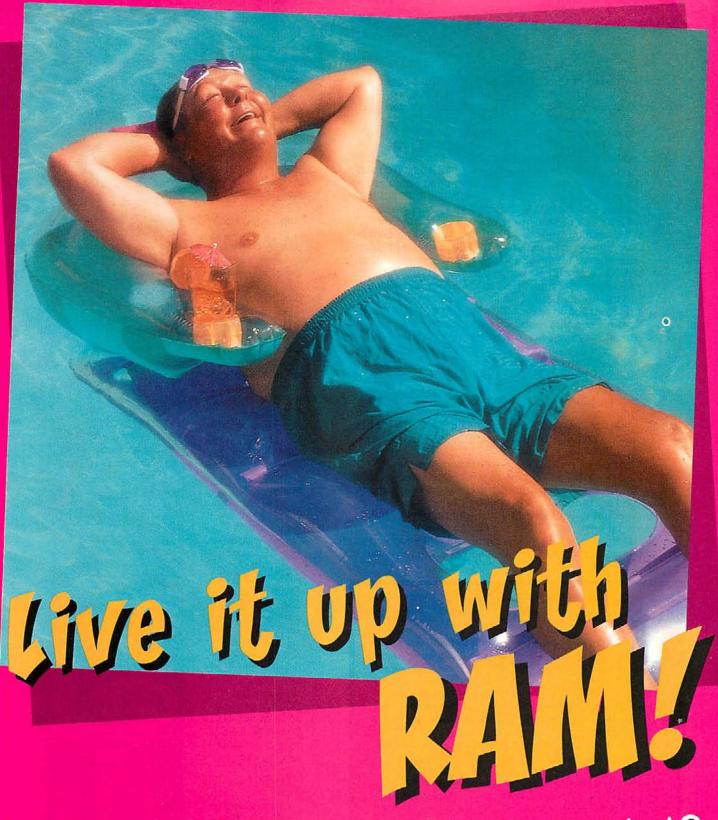
# **How They Stack up**

Performance Results for Athlon vs. Pentium III



Winbench 99 1.1 FPUMark

196



Do you have enough RAM to make a splash?

www.RAMmatters.com



"A memory upgrade pays for itself in just over a day for managers." PC Computing Magazine brought Athlon to its knees.

In each of the three main performance categories-integer, floating-point, and FP SIMD-Athlon scored a knockout. In the 3DNow versus SSE battle for FP SIMD superiority, AMD once again bested Intel. We used 3D WinBench's Transform and Transform and Lighting tests, which measure the CPU's ability to crank out triangles in Direct3D (see How We Tested). We then turned to three games that have been optimized both for SSE and 3DNow: POWERSLIDE, DESCENT 3, and EXPENDABLE. Running at a lower resolution of 640x480 to shift the workload more onto the CPU. Athlon trounced Pentium III by 20 percent on average. And in looking at 3D GameGauge results running at 1024x768 (our standard test resolution), Athlon was still 10 percent faster.

So now Intel finds itself in the unusual position of giving up the performance lead across the board (integer, floating-point, floating-point SIMD). Since it can't win this round on performance, Intel will no doubt play the price card, dropping prices on the Pentium III to maintain a price/performance advantage, a strategy that has served it so well in the Celeron-versus-K6-III battle. So the 64-gigabyte Question is: Given that AMD now has the performance edge, what will their pricing look like? As you can see from *The Price War* table of press-time street prices, AMD is pricing Athlon slightly higher than a Pentium III of the same speed, but not substantially so.

At press time, there was some concern that AMD might not be able to meet consumer demand for their new performance champ, leaving gamers and system makers scrambling to lay hands on this hot new chip. AMD is in the process of building a new "fab" (chip factory) in Dresden, Germany, but it's not yet online. We'll keep you posted on availability as we hear more news on this front.

# Rome Wasn't Built...

hat if you had the hottest CPU in town, but nobody could use it? AMD's situation won't be quite that bad, but the company faces an uphill battle with motherboard makers and systems suppliers if they want Athlon to have a wide market penetration. Intel currently ships about 60 percent of all motherboards in the world. Companies like Dell, Gateway, and others depend on Intel motherboards in their high-end systems. If you're talking about the kind of volume a Dell generates, you're talking a lot of motherboards.

AMD's new chip fits into a slot, much like the current Pentium III line, but the slot is different. The slot is called Slot A; the A stands for Alpha, since it is based on BEC/Compaq's Alpha CPU bus and socket. AMD is dealing itself a better hand by developing a chipset that motherboard makers can deploy into Slot A motherboards. However, whenever a chipset is built, it needs to be extensively tested to make sure all of the 12 zillion expansion cards on the market will work with it properly. Via, Ali, and others have run into problems with their chipsets. Being the market heavyweight means that most peripheral manufacturers will design to Intel's chipset. It will be up to AMD and other chipset makers to make sure that the motherboards and core logic work with the huge combinations of cards that are out there. There can't be a repeat of the AGP 2x fiasco, when several alternative Socket 7 chipsets didn't work correctly with AGP 2x graphics cards.

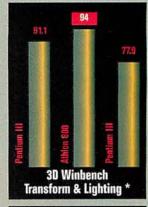
If you are thinking about upgrading to the Athlon, make sure the gear you want in your gaming rig will work on an Athlon motherboard. The Athlon looks like a very good CPU, so the extra upgrading effort may be worth it, but don't ignore the need to check motherboard compatibility with your add-in cards first.

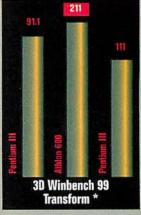
### How We Tested (continued)

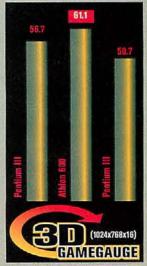
We then did a series of game tests at a lower resolution (640x480x16). because the 3D card becomes much less of a bottleneck at this resolution: it draws the scene much faster, and shifts the processing burden back toward the CPU. We also tested using six games, including three (POWERSLIDE. DESCENT 3, and EXPENDABLE) that have optimizations build into them for both FP SIMD architectures. To round out the mix, we added QUAKE II, HALF-LIFE, and BATTLEZONE 2. Athlon again won the day, its performance about 19 percent faster on average.

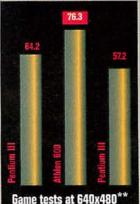
Our test systems were as identical as we could make them. except for motherboard and CPU. Common components included a clean install of Windows 98SE, DirectX 6.1a, 128MB of SDRAM, a 32MB TNT2 Ultra graphics card (chip clock 150MHz, memory clock 183MHz) running nVidia's 2.04 reference drivers, a Soundblaster Live sound card, and EIDE storage components. We included Pentium III results to serve as a baseline for comparison.

- \*GUARD-BAND CLIPPING ENABLED
- \*\*GAMES USED:
  POWERSLIDE,
  EXPENDABLE,
  DESCENT 3, HALFLIFE, QUAKE II,
  BATTLEZONE 2











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# **Under the Hood**

BY LOYD CASE



# A Day in the Life

Walking the Line Between Technology Heaven and Hardware Hell

ou may think that a game hardware reviewer's life is non-stop parties and helping supermodels optimize their gaming rigs, but the reality tells a different tale. This month we give you a peek behind the closed door of columnist stardom, and show you a typical day on the never-ending quest for the best gaming hardware out there. Of course, all names, genders, companies and entire industries have been changed to protect the not-so-innocent, the guilty-as-hell, and, most of all, me.

With my wife and kids out and about starting their day, the house had suddenly grown quiet. It's the eye of the hurricane, I reflect, as I fill an oversized mug with coffee, lace it with cream and sugar, and head downstairs to my lair. The coffee is much need-

ed, as I had been up pretty late running benchmarks.

It takes four power switches to turn everything on: One for the network hubs, two for my production system, and one for the Pentium II testbed, which pulls double duty as my server. I sit back, suck down some caffeine, and watch the SCSI adapter initialize its BIOS. Ah....

### So Much for Serenity

The phone rings, shattering my contemplative repose. It's a marketing guy for a small maker of PC speakers. He asks me, "Have you received the speakers you requested for review?"

We're off to a bad start. This marketing guy is the type that gives his profession a bad name. He had been very pushy about sending the speakers, so I'd reluctantly given in. The speakers were small, electric blue, and terrible. I feel my annoyance meter creeping up into the red. "They're up and running now," I say, keeping my tone noncommital.

"Great," the guy gushes on. "Say, can we get a quote?"

I unscrew the phone receiver from my ear and stare at it incredulously, then put it back to my ear. "Excuse me?" I say.

"A quote. We'd like a positive quote from you, ya'know, something we can put on the side of the box."

Again, I stare at the phone. Several choice phrases flash through my head, but I muster some semblence of tact and inform this clown that I'm not in the business of generating quotes, and certainly not in the business of uncritically endorsing products.

"But I've seen your stuff quoted," he whines.

"What you see are snippets from real reviews that companies quote. I have no control over that, and I don't write reviews with the intent of getting quoted. Now, I have some deadlines, so I've gotta go."

I hang up the phone. The day is off to an inauspicious start.

### Testing, Testing...

There are three more graphics cards to run through the testbed in yet another big graphics card roundup. It used to be that *CGW* only had to test one batch of 3D accelerators once a year, but now it's up to three. I check the manufacturer's web site for a new driver, but there's none, so I install the latest driver from the product setup CD. Five minutes and one reboot later, WinBench 99's Business Graphics WinMark test is zipping along.

While WinBench is running, I check my email – 39 messages have arrived since 11 o'clock last night. I sigh and begin wading through the mail. Many of the letters are from readers seeking some kind of technical help. I answer a few, and file away a few more for my new technical O&A column. It's a sad statement about product support that people are reduced to emailing a magazine editor for

answers.

I check the testbed. WinBench is finished. I change the color depth, reboot, and fire up 3D WinBench, and launch the quality tests.

expensive. I'm momentarily glad I get stuff like this on loan. ①

### Mail Call

It looks really cool and incredibly

The doorbell rings. I bounce up the stairs and open the door. It's the FedEx guy with two boxes for me. One is huge, and contains a PC system. "I'll get the other one," he says, as I sign for them. He goes back to his truck, drags something out, and staggers up the steps. The box is smaller than the PC box, but heavier. "Here," he gasps.

I take both boxes downstairs. The mysterious, heavy box contains a complete flight control panel and yoke. It looks really cool and incredibly expensive. I'm momentarily glad I get stuff like this on loan.

I check the testbed and find that 3D WinBench has halted; the refresh rate it needs doesn't match the one detected. I swear and change the setting to 100Hz.

While the 3D WinMark test runs, I fire up the Killer Rig and install the mini-cockpit. I discover that it's USB, and smile. Five minutes later, I'm airborne in a P-38 dishing out Allied justice. Then I surface, jot a few notes for a future review, check the testbed, and record benchmark results.

Turning off V-sync for 3D GameGauge testing requires a registry hack, so I run REGEDIT and make changes. It takes about two hours to complete one series of 3D GameGauge tests, even with everything pre-installed. I start some of the game tests, and hope to return to my P-38 for a while. But sure enough, the 3D card being tested is showing corrupted textures. So, I fire off an email to the product manager who had been promising new drivers.

The doorbell rings again. It's my daughters, back from camp. I look at my watch: it's 4:30. They had left over eight hours ago. I realize that I've forgotten to eat lunch. I smile at them.

"Want a snack?" Gar

# Now THIS...

IS WAY BEYOND

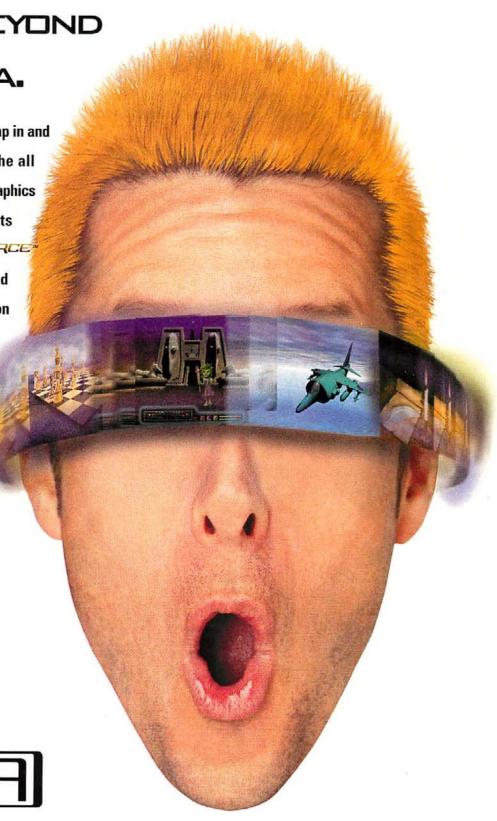
# ULTRA.

If you need fast...step up, strap in and get out on the edge with the all new **ERAZOR** ™ X graphics accelerator from ELSA. Its hyperfast NVIDIA goronce goes way beyond Ultra. And until you see what 200 billion operations of texture-frying Transform/Lighting and 256 bits of Quad pipe does to 3D - you be in the dark ages, baby. Plus, right now, ERAZOR X is available with ELSA's cool 3D REVELATOR gaming glasses...

sooo jump on it...

you still here?





When you're ready to put your dream rig together, check out www.gamespot.com/features/p c workshop5/index.html for Loyd's step-by-step guide to getting your Ultimate Gaming Machine up and running.

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Thrustmaster TOS • \$115 • More control than anyone needs.

> Logitech Newtouch . \$45 . In with the Newtouch, out with the Natural.

Mitsubishi DiamondPro 2020u • \$1,300 • Perfectly flat; good USB support.

Optiquest V95 • \$420 • Solid 19" monitor at a budget price.

Pioneer 6x SCSI DVD . \$180 . **New Pioneer Slot Drive DVD.** 09-65 180

Pioneer DVD-103 • \$130 • Slot drive DVD.

In-Win Q500 full tower ATX . \$115 . **New improved** model.

Elan Vital T10-AB • \$82 • The case for upgraders.

LFT-11 • \$500 • Beautiful imaging, clean sound.

**Boston Acoustics** BA-635 • \$99 • Went back to our favorites.

**Thrustmaster F22** Pro • \$129.00 • It just feels right.

**CH Gamestick 3D** USB • \$55 • Solid stick.

# Power Rin

Component	Manufacturer	Price	The Skinny	
Motherboard	Asus P2B-F	\$135	Back to the future.	
CPU Pentium III / 600		\$800	It's on top of the heap, for now.	
Memory 256MB of PC133 certified HSDRAM \$398 Just think, a quarter-gi		Just think, a quarter-gigabyte.		
Disk Controller	Controller Adaptec 2940U2W \$349 80 megabytes per second.		80 megabytes per second.	
Primary Graphics	Hercules Dynamite TNT2	\$245	Fastest TNT2 card around.	
Secondary Graphics	3Dfx Voodoo2/1000	\$99 \$20	Single Voodoo2 for Glide compatibility.  Still gotta to have one.	
3.5" floppy drive	Teac			
Hard Drive Quantum Atlas 10k \$8		\$825	Runs a little warm, but it's way fast.	
Backup	lomega Jaz 2	\$300	2 gigs of backup.	
Hard Drive cooler	PC Power and Cooling Bay-Cool	\$49	Keep that Atlas 10k cool!	
Primary Audio	Turtle Beach Montego II Quadzilla	\$99	For four speaker DirectSound, A3D and EAX.	
Rear channel speakers	Jamo CS-5	\$420	Ultimate rear channel powered speakers.	
Modem	Copper Rocket DSL modem	\$400	DSL at long last.	
Networking	3COM Etherlink 10/100 PCI	\$70	For fragging your buddies.	
Networking Hub	Netgear DS108	\$170	Multiplayer and DSL modem support.	
Power Supply	Turbacaol 300	\$129	More power, Scotty!	
Mouse/Pointing Device	Logitech USB Mouseman Plus	\$49	Off the leash.	
Action Game Controller	Gravis Gamepad Pro USB	\$60	Great sports controller, too (get two).	
Rudder Pedals	Thrustmaster Elite RCS	\$79	Nearly perfect foot placement.	
Driving Controls	ECCI CDS 4000	\$1,129	Drivers wanted.	

# Total \$8,209.00

The Fine Print: All recommendations based on actual evaluations and testing. Prices listed are average low quotes from Web price search engines like www.computershopper.com or www.pricewatch.com. - Compiled by Dave Salvator and Loyd Case

# **Lean Machine**

Component	Manufacturer
Motherboard	Abit BX6 rev 2.0
CPU	Pentium III/450
Memory	128MB Corsair PC100 SDRAM
Disk Controller	Built-in UDMA/33
Primary Graphics	Voodoo3/3000
Floppy Drive	Teac
Hard Drive	Western Digital Expert 9.1
Primary Audio	Diamond Monster Sound MX300
Secondary Audio	NA
Modem	Diamond Supra 56e
Network Card	D-Link 10/100 Ethernet
Power Supply	Built-in, 235W
Keyboard	Logitech Newtouch
Mouse/Pointing Device	Logitech PS/2 Wheel Mouse

# "Which 3D Card Should I

f there's one question readers have asked us more than any other, this would have to be it. So, you've got the question, we've got answers. Look for this 30 card quide every month here in CGW.

Choosing the right 3D card depends on your CPU and your motherboard. So we have two recommendations for you.

Choice A. If your CPU is a Pentium 233MHz or slower. or your motherboard is all PCI (no AGP), or you've got a motherboard-down AGP graphics chip with no AGP slot, then get 3dfx's Voodoo2 1000 board. At about \$100, it will do a very good job with current games, and a pretty good job with games coming out soon. And the best part is that when you swap in a new motherboard/CPU, you can migrate the Voodoo2 board to the new setup.

Choice B: If your computer's motherboard has an AGP slot, then go with Hercules' Dynamite TNT2, which is currently the fastest 3D gun in the West. At about \$180 street price for the 32MB version, this card is actually quite a deal. Even if you're running a Pentium II 233 or 266MHz CPU, when you upgrade your motherboard/CPU, you can migrate the card into your new setup, and it's got room to grow with whatever CPU you mate it with.

# **Product Watch**

# Intel's Next CPU and System **Chipset Delayed**

f you ask Intel, the official line is that the yields at high frequencies of the next generation Pentium III have been lower than expected. The next Pentium III, code-named Coppermine, will have 256KB of Level 2 cache built onto the chip itself, running at the full clock speed of the processor. It will also be made using the new 0.18-micron process, much tighter than the 0.25-micron currently being used. The new manufacturing process will make for higher clock rates without causing a heat wave.

Also slipping is Intel's next core logic chipset, the 820 (code-named Camino). If you ask around, the Camino is the real reason for the Intel delays. Camino will support a new type of memory called RAMBUS DRAM (RDRAM). Rumors abound that RDRAM hasn't been hitting the performance targets Intel wants. With AMD and alternative chipset vendors taking a very close look at PC133 SDRAM and double-data rate SDRAM (DDR SDRAM), this is a real problem for the CPU behemoth. If

Price	The Skinny
\$135	5 PCI slots, Softmenu, 440BX.
\$300	Finally made the move.
\$120	128MB at last.
\$0	
\$150	Stability, speed and cooling.
\$20	Still gotta have it.
\$190	7200RPM from Western Digital.
\$82	A3D and clean audio for under a C-note.
\$0	
\$106	Solid performance, good price.
\$29	Great for those LAN parties.
\$0	
\$45	In with the new, out with the Natural.
\$18	Better than the "gaming" mouse,

Total \$1,981.00

RDRAM can't deliver a substantial performance premium over the alternatives. Intel will have to scramble to find an alternative, something they're not accustomed to doing.

Expect both Coppermine and Camino to ship later this fall, or even early this winter.

-Loyd Case

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### **600MHZ DYNAMITE TNT2 POWERHOUSE**

Intel Pentium III 600MHz w/ SSE Instructions CoolerMaster Pentium III CPU Cooling System Intel 440BX, 100MHZ Bus, 1AGP, 5PCI, 2ISA, 2USB Ultra ATA/66 Controller Onboard

256MB SDRAM CAS2 18.2GB Western Digital 7200rpm Ultra66 Hard Drive 32MB Hercules Dynamite Ultra TNT2 w/TV out 12MB 3Dfx/STB Voodoo II 1000 (Glide) Innerworks 3D Optimization System Innerworks Dual Video Cooling Architecture Toshiba 6X/32X 3rd Generation DVD Drive Creative Labs Soundblaster Live! Value Cambridge Soundworks FPS 2000 Digital Surround with 25W Subwoofer and Remote Volume Control 3COM/USR Sportster 56k Fax/Data Modem Logitech MouseMan Wheel 4 Button USB Logitech Enhanced Keyboard w/ Palm Rest Microsoft Sidewinder Precision Pro USB Microsoft Sidewinder Gamepad 1.44MB Floppy Drive **Desktop Microphone** HyperSonic PC HX45 ATX Tower Case

Microsoft Windows 98 Second Edition DirectX 6.1 & Latest SSE Compatible Drivers HyperSonic PC System Recovery CD
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Logitech MouseMan Wheel 4 Button USB Microsoft Natural Keyboard

Logitech Wingman Force USB Microsoft Sidewinder Gamepad 1.44MB Floppy Drive Desktop Microphone

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WWW.HYPERSONIC-PC.COM 800.520.0498

# Tech Medics

by Loyd Case and Dave Salvator

# You've Got Questions, We've Got Answers

Do Pentium II Motherboards support Pentium III processors?

Not in all cases. Pentium
II systems using the older
440LX chipset don't support Pentium III. These are
typically in systems with
333MHz Pentium II
processors or slower. If
you have a 350MHz
Pentium II or faster, you
may be in luck. Even
then, though, not all
motherboards will work
with a Pentium III. For

example, the original Intel SE440BX (not the 440BX-2) doesn't support Pentium III. Also, if you have an off-the-shelf system from Dell, Gateway, or other major suppliers that use Intel motherboards, you may also be out of luck, but check your motherboard manufacturer's web site to be sure.

We get mail. Lots of mail. Huge quantities... Well, you get the idea. Readers send us all kinds of intriguing techie questions. We answer as many as we can directly, but because we find that you're often asking similar questions, we figured we'd answer the most frequently asked ones here. If you've got a hardware headache, send us mail at cgw\_hardware@zd.com.

I just installed Windows 98 SE and noticed a yellow exclamation mark in the Device Manager next to "Advanced Power Mangement Support." I found this just after my PC spontaneously rebooted. I also noticed that the power fan stopped working. So I looked at the properties sheet for Advanced Power Management and forced it to use APM 1.0 mode. That got my fan sort of working (I think that could be the problem) and the vellow exclamation sign disappeared beside the power management support device. Was this the problem?

You don't want to enable APM 1.0, as it's an older standard not widely supported. What you need to do is to enable the ACPI (Advanced Configuration and Power Interface) setting in your BIOS setup program. The exclamation point will disappear from the Device Manager, and your ATX power supply will behave properly.

I have a Pentium III 450 on a SE440BX motherboard (latest BIOS), and I get a "Serial Presence Detect (SPD) device data missing or inconclusive" whenever I boot up. This occurs after the computer performs the memory check. What does this mean? What can I

do about it? I have PC100 certified memory, which I bought back when I owned a Pentium II/266.

You're probably fine. You probably purchased early PC100 memory, which lacks the tiny SPD (serial presence detect) ROM that all memory modules now have. All the ROM does is tell the system what type of memory it is, and what parameter settings (such as CAS type and so on) should be used.

I just bought Diamond's Viper V770 Ultra card, hoping to improve the looks of the games I play. However, I'm quite disappointed. First, QUAKE 2 will only run in software mode. The game won't change to OpenGL (as if it doesn't see my hardware card). Secondly, I also bought KINGPIN, but it won't load OpenGL, saying it didn't detect my hardware card. The card installed okay, as per the instructions. Both UNREAL and HALF-LIFE look great, though. I have a Pentium III 500 MHz Aptiva 731 running Windows 98. I updated the drivers from Diamond's site. The support at Interplay could not give me any direction to fix my problem.

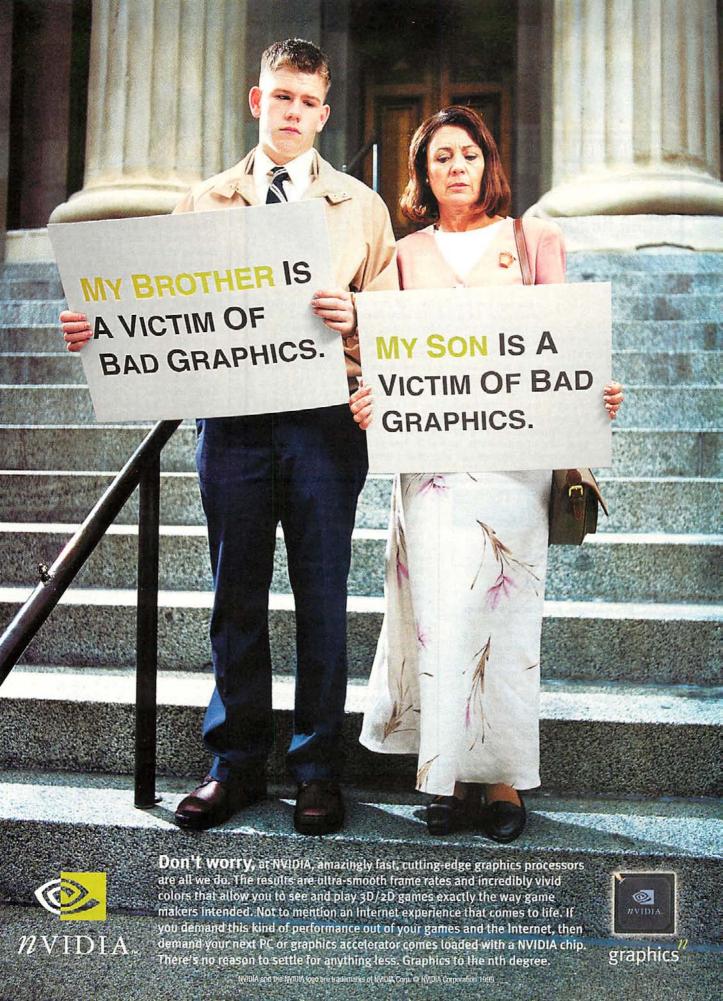


You're most likely running your desktop resolution in 8-bit color

mode. TNT and TNT2 chips slave their OpenGL color bit-depth off the desktop resolution, so if you bump your desktop color-depth up to 16- or 32-bit, both KINGPIN and QUAKE II will run with 3D acceleration, since they require at least 16-bit color to run in OpenGL mode.

I am planning on building a new computer and I have a question about the video card(s) I am planning on putting in it. For my main video card I am buying a Diamond Viper V770 Ultra. I was also planning on putting in a Creative Lab's 3D Blaster Voodoo2 for Glide support, but do I really need to spend the extra money for its support of Glide? I am not a die hard first-person shooter, and I don't live and die for frame rates. But I have heard some games will only run on 3dfx video cards.

It's true that some 3D games only support 3D acceleration if there's a 3dfx-compatible card present. But there are relatively few of these (something like 22). A few games used to run better in Direct3D on 3dfx hardware, but that's rapidly changing. We suggest waiting until you have a compelling reason to add a Voodoo2 card before you buy.



# **ENTREGA MULTIFUNCTION USB HUB**

Requirements: Windows 98 or Windows 95 OSR2.1 system. Price: \$140 Manufacturer: Entrega Contact: www.entrega.com

# **When Reach Exceeds Grasp**

The Entrega 7-port multifunction hub is a way cool idea: Use the 12Mbit/sec throughput of the USB bus to add four extra USB ports and two serial ports and another parallel port.

I just wish it worked. The four USB ports work great. But the parallel and serial ports are problematic. Some devices, like a modem I attached, worked fine, But I couldn't get a Wacom ArtZ graphics tablet to even detect the serial port. I also attached an HP 722C inkjet printer to the parallel port. Both the USB parallel port and printer were detected fine, but I could never actually print anything. Also, Windows 98 detected the printer as a new device every time the system booted. Given that this was a clean install of Windows 98, I'd say it was problematic. Now, the 722C is a "dumb" device that depends on the PC to do the actual print rendering. It's possible that a printer with its own RAM and controller would work fine, but I wouldn't bet on it. Don't expect to use another parallel device like a Zip drive, either; there's a "For Printers ONLY" warning sticker next to the parallel port connector. USB devices, such as a Microsoft

Freestyle Pro gamepad, a USB mouse, and a keyboard, all worked fine. I've used other Entrega hubs with good results, but if you're hoping for additional connection options for traditional serial or parallel devices, take your business elsewhere.



Requirements: Sound card, Price: \$80 Manufacturer: Plantronics Contact: www.plantronics.com

# It's All on Your Head

t's midnight, your family's asleep, and you've finally got some time to jump on your rig for some serious gaming. But as you prepare to do battle online, you



realize that you're going to have to play

your game audio at whisper level so as not to traumatize the wee ones. What to do? Headphones seem an obvious choice, but now that voice communications is getting big, not to mention voice recognition packages like Game Commander, maybe you should consider a complete headset.

Telephone headset



Plantronics has decided to jump into the "hi-fi headset" market, and their HS-1 headset deserves a serious look.

The HS-1 uses 45mm neo-dyium speaker drivers and delivers very solid sound across the spectrum. Low-end response was beefy, and mids and highs were nicely defined as well, both for music and gaming audio. And these things could handle plenty of volume. The HS-1 also has a noise-canceling microphone that worked well with the Game Commander speech recognition utility. When not in use, the microphone nests neatly in the headphones and stays out of

About the only thing missing from this solid offering is a splitter for your sound card's audio output where you'd plug the headset into one output and your speakers into the other. But that's a shortcoming that a quick trip to Radio Shack can mend. -Dave Salvator

Requirements: Joystick port or free USB port. Price: \$39 Manufacturer: Madcatz Contact: www.madcatz.com

# **Great Expectations**

adcatz enjoys a unique honor among first-person shooter fans. Their



Panther XL controller - a



joystick/trackball combo controller - is the only shooter controller to have any real fans. Others have tried, and others have failed, but Madcatz has cultivated a following. Building on that success, Madcatz has now released their Panther DX digital joystick, which nixes the trackball in favor of five well-placed buttons. The DX can connect via USB or your joystick port, and there's even a port where you can connect your rudder pedals. On paper, this looks like one slick stick, but in actual play we came across some glitches that kept the DX out of the winner's circle.

I took the DX for a spin through ENEMY ENGAGED: APACHE/HAVOC and FIGHTER SQUADRON, and while the stick was connected via the joystick port, it fared well, with smooth movement and response during gameplay. The dial-a-throttle configuration isn't my favorite, but it gets the job done, and allows minute adjustments. The "paw-pad," upon which your left hand rests, is comfortable, and the five buttons (three for fingers, and two for your thumb) are easily accessed.

The trouble began when I tried connecting the DX via USB. The controller was recognized and appeared happy, but after about a minute it would lose its connection and become unresponsive while appearing to be connected in the game controller control panel. Disconnecting/reconnecting brought it back to life, but after a minute or so, the cycle would repeat itself. And whether connected via USB or joystick port, my Thrustmaster Rudder Control System pedals were never usable despite repeated calibration attempts. A driver update may address these problems, but the extras that make this controller interesting don't appear to be ready for prime time. -Dave Salvator

Requirements: Free PCI slot; Windows 95 or 98; Pentium 75 or better with 16MB or more RAM. Price: \$99 Manufacturer: Turtle Beach Contact: www.tbeach.com

# **Fashionably Late**

he battle for the ears of gamers rages on, and the latest entrant into the audio hardware fight makes the choices

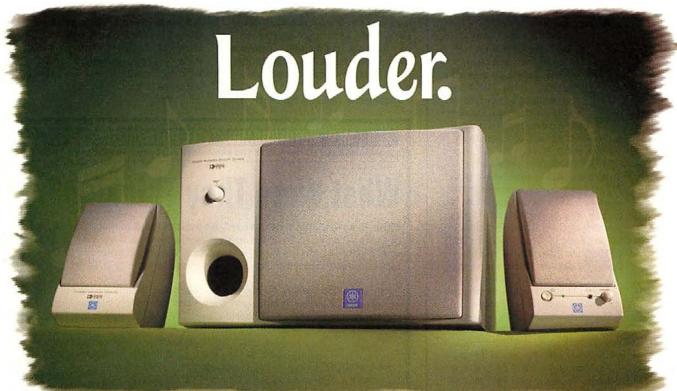


even harder. Last year's

Headset

Loud.





# Crank Up Your Computer!

80 brain-frying watts of power. Bone-thumping bass from Yamaha's Advanced Active Servo Technology.™ 2-Way satellites with immaculate highs and aggressive mids. Welcome to the new breed of Yamaha multimedia speakers. The new Yamaha YST-MS50 and YST-MS55D (with USB) are the best speakers for games and music on your computer. They'll even blow away your stereo. Get them for as low as \$129\* at your favorite computer and electronics stores.







cess. So a lot of us waited for Turtle Beach's spin on chip-maker Aureal's much more capable Vortex 2 chip. We waited...and waited.

Well, the wait is over. At first blush, the Turtle Beach Quadzilla hardware seems almost as physically awkward as the product name. The full package includes a primary card and a small daughterboard that adds four-speaker support and digital

audio output, but takes up a slot panel in the back of your PC to do so.

The MIDI quality was on par for the Vortex 2 chip; that is, good, but not stellar. The 3D audio sounded good through two speakers and even better through four, but the best 3D audio rendering came through headphones. Using CGWs Pentium III/500 testbed, Audio Winbench reported a 2.95% CPU utilization streaming 16 voices through DirectSound3D at a 22KHz, 8-bit sampling resolution. Turtle Beach uses 18-bit D/A converters for cleaner output, so there was little ambient hissing at high volumes.

The software utilties are slick, especially the audio diagnostic tool. If you've ever struggled with sound problems, this little gem is nearly worth the price of the card.

The Montego II is one of the best Vortex 2 boards I've seen to date. The only drawback is the daughtercard, which eats up a precious slot. But if you have the slot to spare, then check this card out. Your ears will love you for it.

-Loyd Case

### PRODUCTS USB GAMEPAD

Requirements: Windows 98, USB port. Price: \$30 Manufacturer: CH Products Contact: www.chproducts.com

### Slick as a Greased Weasel

have a problem. It's not an uncommon problem, but one I am loath to



admit. When playing games with a

gamepad, my hands sweat. Profusely. This

is generally not a problem with gamepads that have a rough, textured surface, like those made by Gravis or Microsoft. But the glossy finish of CH Products' new USB Gamepad can cause the controller to slip out of my hands like a greased weasel at the most inopportune times (like when Johnny Wilson is serving up a crushable curveball in HIGH HEAT 2000).

The "batarang" as we've been calling it around the office (due to its resemblance to Batman's stalwart utility belt item) is quite a good Gravis/Playstation-style gamepad, with a lot of thought put into its ergonomics. In fact, the CH Products' USB Gamepad is comfortable almost to a fault. Your hands are pretty much locked into position, which might be good for your tendonitis, but it presents problems for those who fidget. The controller fit perfectly into my hands, but mine are bigger than average.

Those gamers with the button layout

of the Gravis gamepad fused into their brains might have trouble getting used to the usual button

placement of the CH pad, but this Sidewinder devotee had no problem. Overall, the CH Products USB Gamepad is a very solid game controller-you rarely go wrong with USBbut it might not be for everyone. Maybe just those with a towel handy.

**CH Products** 

**USB** Gamepad

-Tom Price

# MOTHERBOARD/INTEL P810-DC100 CHIPSEI

Requirements: Socket 370 Celeron Price: \$165 Manufacturer: Asus Contact: www.asus.com

# What Were They Thinking?

his is a slick little motherboard. As motherboard installations go, it was a piece of cake. The only installation hassle I had was to make sure that the custom INF file (a driver, of sorts) for the Intel 810 chipset was properly installed. But after actually testing the thing, I have only this to say: if you're a gamer, run like

I'd probably feel that way about any motherboard using the Intel 810 chipset. In its infinite march for increasing profits and greater world domination, Intel has built the graphics controller into the motherboard chipset. But Intel has used its old i740 core



as the graphics chipset, which even in its heyday was a weak performer. It also has built-in audio, but most of the audio chores are actually done in software, with just a

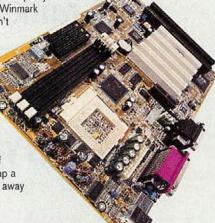
hardware CODEC (compressor/decompressor) chip onboard.

I tested the MEW with a 466MHz Celeron CPU - certainly no slouch in performance. However, 3D GameGauge performance was an anemic 15.9, less than half the average score of cards tested in our recent roundup. The 3D WinBench score was a paltry

349, and WinBench's 2D Business Winmark was 91. Something smells, and it ain't the fish. The only good news about this graphics chipset is that you can deactivate it and replace it

with a PCI card. Voodoo2/2000 anyone?

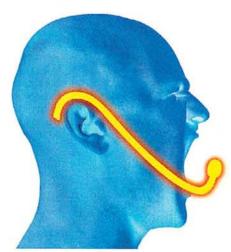
Asus isn't really to blame here; Intel is, for trying to foist off such a mediocre piece of crap on the world. If you see a really cheap PC for sale, check to see if it's using the 810 chipset. If it is, slap a warning sign on the system to steer away other gamers and leave - quickly. -Lovd Case



# HOW TO GET AN UNFAIR GAME ADVANTAGE.



Option #1: Painful, exotic surgery.



**Option #2: Game Commander.** 







# This won't hurt a bit.

Never again will you be fragged into fine chunks while you look for the right key for "deathbeam." With Game Commander, any custom keystroke or key combination can be pre-programmed to a single voice command. Scream "Die Pig!" to launch an Alpha Strike at the 100-ton mech barreling down on you. Yell "Wingman, Break and Attack" and your computer wingman will peel off to nail that incoming bogey hot on your tail. All without ever unclenching your clammy fist from the joystick.

Don't believe us? Download a free demo at www.gamecommander.com. And get a cutting edge without using one.







"Game Commander is amazing to use. Sim jockeys may have finally found something better than keyboard templates and even more complex HOTAS controllers. Check it out."

> — Loyd Case July 1999 Computer Gaming World

# GAMER'S EDGE

STRATEGIES . TIPS • TRICKS • CODES • CHEATS • WALKTHROUGHS

# **Might And Magic VII**

by P. Stephen "Desslock" Janicki Blood, Honor, and Some Really Weasely Tricks

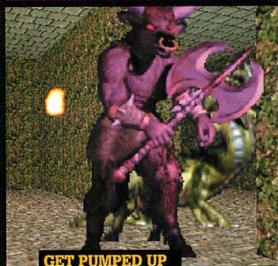
> ight & Magic VII is a game for the party animal - the role-playing party animal. Your success hinges upon picking the right party members, developing their skills, and prepping them for battle.

# Picking Your Party

Since each character class has distinct advantages, choosing your party members is a major decision. Race doesn't matter, so feel free to choose whichever races you'd like, but character classes are extremely important. The default party comprised of a Knight, Thief, Sorcerer and Cleric may not be particularly original, but it's actually one of the better combinations. A Sorcerer is nearly

# LORDY

Hand-to-hand combat is sometimes a really bad idea. Unless you have grandmasterlevel protection from magic, use missile weapons and spells (including slow) to take Minotaur Lords out from a distance.



Don't rely solely on your natural abilities; stock up on attributeenhancing items and resist the temptation to sell them.

essential, since the Lloyd's Beacon and Starburst spells and the identify skills are so useful. A character capable of disarming traps is also important, unless you're willing to have an expensive NPC tag along with your party. Archers are useful all-around characters, as they can cast many powerful spells, are extremely good with missile weapons, are decent melee fighters, and can disarm most traps. The grandmaster spell abilities of a Cleric are also very useful, as they can render your party immune from instant death spells and can heal the entire party. Druids and Rangers are widely skilled if you want to use them as substitutes for a core character class. Knights are naturally the best melee fighters, but the additional magical abilities of a Paladin are handy.

# **Exploration and Character Development**

Once you clear out the Harmondale area, go to Erathia or the Tularean Forest, which are both considerably less difficult than Barrow Downs. Nighon is only accessible through the mountain entrance underneath Stone City, and you can reach the Evenmorn Islands only through the Tatalia docks, after you complete the Priest elevation guest. The barrows in Barrow Downs and the maze in Nighon are great places to pick up gold if you're

Elevate the primary skills of your characters as soon as possible. There are two expert trainers for each ability, but only one master and grandmaster trainer. Only one character in your party needs to develop the Merchant,

Identify item, Identify monster, Disarm trap, Stealing, Alchemy and Repair skills. Perception, Learning, Body building, Meditation and Armsmaster are good secondary skills for all characters to concentrate on once

their primary skills have been raised to the master

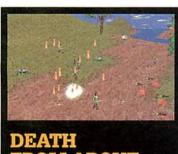
Save items such as cloaks, rings, boots, amulets and hats that give bonuses to your primary attributes (might, intelligence, personality, endurance, accuracy, speed and luck), even if none of your characters are going to wear the items on a regular basis. They'll allow you to increase your ability scores to net skill points by completing the burning pillar contests, located throughout the realm. They're also handy for meeting the elevation requirements of some master trainers (ability bonuses will count, but temporary bonuses granted by fountains and wells will not).

Use NPCs effectively. If you're going into a new area where you'll be earning lots of experience points, pick up NPCs like teachers that will boost your experi-

# COOKING THE

If you really need to exploit the abilities of an expensive NPC, avoid picking up gold or looting corpses until you dismiss them.





# ABOVE

Meteor Swarm, which can be cast by both archers and sorcerers, and Starburst are extremely effective spells outdoors, especially when your party is flying out of range of melee weapons.

ence points, and then dismiss them (or pick up a banker NPC) prior to collecting gold and looting corpses. If your characters are inept at disarming traps, pick up an NPC thief, but avoid aquiring any treasure until you've disarmed all the traps in the area and dismissed the NPC.

When playing Acromage, use cards that boost your Quarry, Magic and Zoo level (and reduce your opponent's ratings) before any others, unless you need to quickly elevate your tower to avoid destruction. Once you start outproducing your opponent, you'll be able to win easily by building your tower or by just accumulating resources.

# **Combat Tips**

Pick up the bow skill for all of your characters

right away. In real-time mode, your party will be able to take out almost any opponent with missile weapons (even the dragon on Emerald Island), but you'll have to learn to master the keyboard "ranged combat rumba": launch arrows, turn 90 degrees, and move your party forward to dodge incoming fire; turn to face your opponents again and launch more arrows. The strafing keys are too slow to be effective. Once you get the Fly spell, you can dodge incoming fire in turn-based mode by moving upwards and downwards.

When outdoors, Starburst and Meteor swarm spells are extremely effective at wiping out armies of enemies. You can maneuver into position to launch a fly spell to great effect, and can also retreat quickly from pursuing enemies.

Avoid hand-to-hand combat with monsters like Minotaur Lords that can kill instantly. Instead, hit them with slow, paralyze and berserk spells, and then pick them off with missile weapons or offensive spells. Effective spell casting can clear out areas such as Nighon's Maze, which otherwise would be too deadly for lower-level characters. For a low-level spell, Sparks can be very effective at close range.

Prepare for major battles by casting all of the defensive spells you have, such as Bless, Heroism, Haste, resistance spells, Protection from Magic, Regeneration and Stoneskin. Melee weapons are often the most effective way to quickly take down enemies indoors, but ensure that your characters are as well protected as possible before charging into battle.

# **Trading Places**

If you're hard up for gold, you can always earn some by lugging around a big, ugly crate of goods to a prospective buyer. Since the crates take up so much room and the reward for completing a delivery isn't significant, trading wouldn't be worth your time if you didn't have the trading table on this page, which specifies exactly where to make your deliveries. There are two separate delivery chains, each with three stops, but one is ten times as lucrative as the other and will cost you ten times as much for raw materials. Using the Town Portal or Lloyd's Beacon spells, you can quickly rack up as much money as you need.

Location	Buys	Sells
Barrow Downs (Rivenrock Residence)  Tatalia (Calindra's Home)  Avalee (Infernon's House)  Erathia (Hillier Residence)	Sand	Glass Bottles (2,000 gold)
Tatalia (Calindra's Home)	Wine	Sand (2,000 gold)
Avalee (Infernon's House)	Glass Bottles	Wine (2,000 gold)
Erathia (Hillier Residence)		
Tularean Forest (Kerid Residence) ************************************		
Tularean Forest (Kerid Residence) •••••••••••  Harmondale (Farswell Residence) ••••••••••••		

# **Key To Genie Lamps**

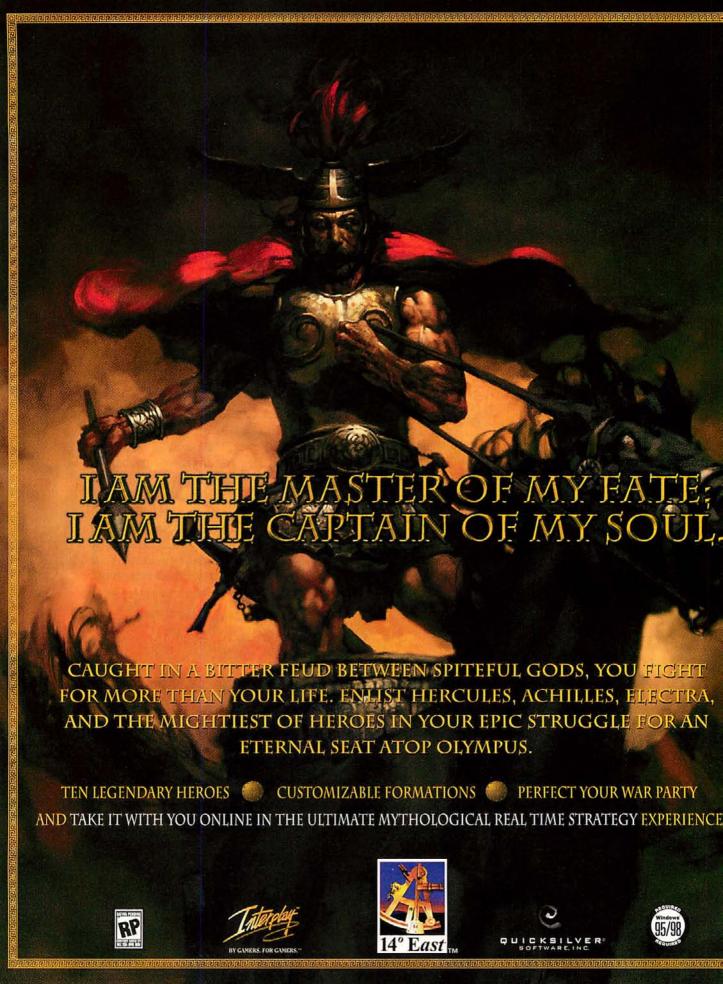
Genie lamps are extremely useful items; they are found lying around in barren areas such as Bracada Desert and Nighon. Genie lamps bestow different powers depending upon the date of their use. Avoid using them on weekends, as characters will be turned to stone on Fridays, killed on Saturdays, and eradicated on Sundays (some day of rest!). The benefits granted by a genie lamp will be different each month, as you can see from the Year of the Genie table, and will get successively stronger during each week of a month. Skill points are probably the most useful benefit, at least early in the game. ATT

Month	Effect of Genie Lamp
January	+1 to +4 Might
February	+1 to +4 Intelligence
March	+1 to +4 Personality
April	+1 to +4 Endurance
May	+1 to +4 Accuracy
June	+1 to +4 Speed
July	+1 to +4 Luck
August	+ gold pieces
September	+5 to +20 food
October	+2 to+8 skill points
November	+ experience
December	+ to one random resistance

# DEALING FROM THE BOTTOM?

Acromage is easy, provided that you focus on increasing your Quarry, Magic and Zoo scores.







MYTHOLOGICAL

IN THE FELL CLUTCH OF CIRCUMSTANCE

I HAVE NOT WINCED NOR CRIED ALOUD,



ONDER THE BLUDGEONINGS OF CHANCE

MY HEAD IS BLOODY,
BUT UNBOWED.

WWW.INTERPLAY.COM/INVICTUS

# EverQuest

The Journey of a Thousand Hours Begins With Your

First Character

by Andrew Park

f you value your social life greatly, then the best advice I can give is to avoid EVERQUEST altogether. Otherwise, you may catch the addiction, and find yourself forsaking food and real-world social interaction in favor of monster slaying, treasure hunting, and meeting the other people who happen to be there for the monsters and treasures as well. If you still want to game on, then by all means stay and read this guide. I know how hard it is to start out in the land of Norrath; the only items out of the box that will be of any real use are the CD and the reference card that describes the keyboard shortcuts (with which you should familiarize yourself as soon as possible). The thoroughly uninformative game manual and the game's own quirky user interface won't do much to help get you started, so I will.

# THIS BEETLE AIN'T FROM LIVERPOOL

Be sure to set your hotkeys for some combat options before picking a fight.

# GIMME SOME PALE ALE

While your initial water and bread cakes are fine for now, try to get some more food when you can.



# Momma, I Wanna Be a Hero

It wouldn't be an RPG without character creation at the beginning. You have a pool of 12 races and 14 character classes to choose from. Seven primary statistics make up the rest of your character; strength, stamina, agility, dexterity, wisdom, intelligence and charisma. Don't take the choice of deity lightly, as religion determines both your starting point, and how the various factions treat you.

All the races have innate abilities and quirks that make them suitable – or unsuitable – for certain classes. Erudites, being the smartest race in Norrath, have the high intelligence points needed to make them good spellcasters. Agile Halflings have innate abilities to sneak and hide, so their best bet is a career in roguedom. There's no "best race/class combination," as just about any combination will work to an

However, at some point in your EVERQUEST career, you'll want to develop a mainstay character. Good test characters to get accustomed to the basics of the game are either a half-elf warrior based in Freeport, or a halfling warrior based in Rivervale. Both of these race/class combinations have the ability to see in the dark (infravision); and they begin in safe, well-populated areas with plenty of easy monsters to fight, minor quests to perform, and other players with whom to interact.

# The (Hot) Keys to Success

After you've created your first character, get ready to jump into the world of Norrath. The first thing you should do is look around; use the F9 key to change your perspective to one of five different camera angles. F10 will choose between the default minimized-view (which you should use at the beginning), halfscreen view (which you should stick to after you've familiarized yourself with the hotkeys), and full-screen view. Now, bring up your inventory (if you didn't play the tutorial to learn how to open it with the mouse, then just press "I" on your keyboard). You should have five bread cakes, five water skins, a weapon, a note, and a book of discord. The bread cakes and water are essential; run out of these, and you'll eventually become so hungry and thirsty that you'll suffer continual exhaustion and become unable to recuperate from your wounds. Equip your starting weapon (a short sword, a dagger, or a club) and then have a look at your note; this is the slip of paper you turn in to your guild master. Right-click it once to read the contents and find the name of your guild master, then seek him out.

Lastly, you should get into the habit of assigning hotkeys to important actions, such as fighting. You can do this by left-clicking and holding down over an important action button, then dragging it to your hotkey box in the lower left-hand corner of your screen. You can now access that action by pressing the corresponding keyboard number; if you assigned melee attack to the first slot, you can toggle it on and off by pressing "1." You'll want to hotkey all your important abilities; for instance, warriors and monks should hotkey kick; barbarian, ogre and troll characters should hotkey slam (both examples are for use in combat).



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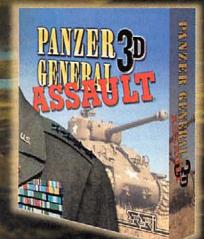
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# **How to Pick up Elves**

Now that you've gotten used to the basics, you can get to the meat of the game-meeting other people. Just press Enter and type whatever profound wisdom you have to say, in a conversational tone. Use the /tell command for direct and discreet messages for specific players; respond to /tells with the /reply command. There are also three general channels that can be heard by anyone in the area: /shout (for calls of help, warnings or group requests), /auction (for buying and selling goods), and /ooc (for out-of-character discussion). Thankfully, excessive chatter can be filtered out using the options menu.

Interacting with computer characters is slightly different. It's often a good idea to /consider them first (either press the "C" key, or press Enter and type in /con, or right-click on them); this will reveal how tough the character is, as well as how they regard you (with respect to faction standing). If a powerful character regards you threateningly or is ready to attack, it's best to turn and run.

Of course, when you get past the city gates, you'll find monsters that won't be too interested in chitchat. Before you engage, /con the monster to make sure you can handle it. At

## COMPUTER SOLILOQUY

After hailing NPCs, pay attention to what they say, and ask questions containing the words within brackets.



lower levels, a green, blue, or even a black/white con should be all right, but more dangerous yellow and red /cons should be avoided.

After combat, there'll be a body to loot (either your target's or your own). Right-click on the corpse first, then loot by right-clicking on the items. You probably gained some experience from the battle; the orange bar in your persona menu will indicate this. Once all five bars are filled, you'll gain a level. Thumping on weak monsters yields less experience, so you'll soon need to seek out tougher opponents. In order to tackle the nastier beasts, you should band together with some like-minded adventurers of a similar experience level; a well balanced party of healers, magic users and fighters can collectively bring down monsters several levels higher than their own. [GCT]

For more tips, check out <a href="https://www.gameguides.com/guides/evrquest">www.gameguides.com/guides/evrquest</a> for GameSpot's comprehensive Game Guide.



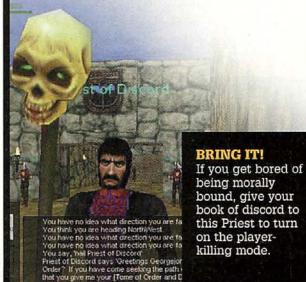




**Career Changes** 

EVERQUEST may focus on combat, but there are NPC-related quests, trade skills, and player interactions to break it up. Trade skills allow characters to become proficient in such formidable arts as pottery, brewing, smithing and tailoring. There's no Heald Institute in Norrath, so being a successful tradesman requires your character to purchase the appropriate "How To" book and materials, and have at it. Trade skills, like all other skills, will only improve with repeated use.

One thing to remember is that the land of Norrath is constantly changing. The next time you log in, don't be surprised to see a patch with a number of minor tweaks or fixes added by the designers. Since the beta test, several things have changed; level requirements for skills (at press time, bash has been lowered from a level 9-12 skill to level 6; dual wield has been lowered from a level 15-17 skill to level 13-16), faction shifts and quest completions have been changed. This sort of constant flux has the unfortunate side effect of outdating the information, but also serves as the designers' dynamic set of checks and balances to keep the playing field as level as possible and, ideally, to make the game as enjoyable as possible. Hopefully, you'll now be able to make some sense of the gameworld, and progress smoothly into Norrath.



# In 2015 war is declared.

YOU ARE THE U.S.

Intelligence reports a Chinese ground unit.

Switch to tactical mode: Ready helicopters

Command (Eight over a Chinese taek platooe.

Destroy two tanks Helicopters are damaged.

Move to strategic mode and set way points on the map

Engage artillery to the North. Launch an ai strike to the East.

Switch to platoon commander of an electronic warfare unit.

VICTORY IS IMMINENT.





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Mobilize armored unit into Kazakhstan.

Lay minefields in tactical mode.

Move to maps. Conduct reconnaissance.

Mobilize antiaircraft weaponry. Launch air offensive to the North.

Two tanks are destroyed by U.S. helicopters.

Return to maps.
View U.S. artillery enter minefield.

Switch to helicopter platoon commander. Head East.

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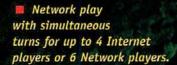


Whether you choose to dive into the immense range of player controlled game parameters or simply focus on galactic

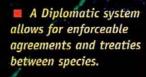
exploration and enemy destruction,

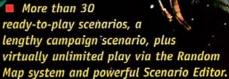
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# The Art of Drafting: Building a Winner

o you've joined a computer sports league, draft day is quickly approaching, and you still don't have a clue how to sort through the rabble to craft a team that will crush your rivals and break their spirits. Well, don't be frightened, success is simply a matter of preparation. Follow our suggestions and Draft Day will live in your memory as a day to remember, not as a day of shame.

# **Reading Is Fundamental**

Since the odds are you'll be drafting for a sport when that sport's season starts in real life, check newsstands for annual pre-season reports. Given the huge popularity of rotisserie leagues there are loads of magazines that can be useful, and you should get more than one so you have at least two different perspectives. Since every worthwhile publication has comprehensive stats, look for publications that rate every player not just by position, but also by how they stack up with everyone else. There are many good online options, but keep in mind you're going to want hard copy come draft day.

Don't forget to take a look at the game's stats/scouting reports as well. You'll find useful nuggets of info there as well, especially behind the numbers. For instance, every pitcher's delivery is described in HIGH HEAT BASEBALL 2000, allowing you to pick up a player whose numbers may not be spectacular, but whose unusual sidearm delivery could be very effective in relief situations against human opponents.

# **Know Thyself**

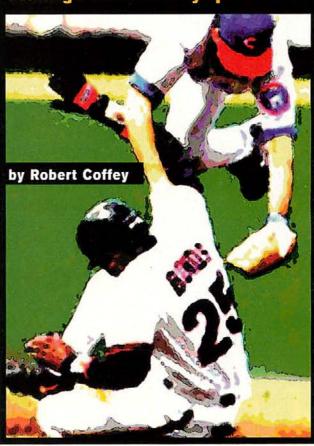
Before you start your player wish list, think about what kind of team you'll want. In football, do you want to emphasize a running or passing game? In baseball, do you want a team that clobbers opponents with the long ball, or would you rather humble your foes with dominating pitching? While you obviously need some sort of balance, these early decisions are crucial since they'll dictate the early picks that will determine your star performers.

# **Deep Thoughts**

don't know how to tell you this, but you're not the only guy who's heard of Mark McGwire or Terrell Davis. As you start to compile your list of hopefuls, make sure you look beyond the superstars at every position. The best of the best won't be around long enough for you to snag more than one or two.

Looking at player depth for every position will also help you shape your general strategy. For instance, if there's an abundance of quality first basemen but only a couple of top-notch second basemen, you might want to grab your starting second baseman early and hold off on selecting a guy for first base until later in the draft.

# An Obsessive-Compulsive's Guide to Drafting a Killer Fantasy Sports Team



# **Darwinian Principles**

dapt or perish. Even with all this prep work, some of your short list guys might well be taken by others, but there's an upside – you might predict wrongly and Brett Favre may still be available come your turn. So expect the unexpected.

One final note: If you're ever totally unsure whom to draft, just pick the best player available – he can't hurt you and you might be able to trade him later. Also, later in the draft, if your team is looking good but you see glaring holes in other teams (someone only has two guys in the bullpen) you might want to consider drafting players that can fill *their* needs. A desperation trade that favors you is a good thing.

# **Reality Check**

Now you're ready to start planning your picks in earnest. Look at your dream list; odds are you won't get them all, but with planning you can come close.

First, look at your position in each draft round since this will shape your game plan. If you pick early you'll probably get exactly who you want in the first round, but if you're further down the line, you'll need make a guess as to who will

be available when your turn comes. In a baseball draft, expect elite pitchers to go early in the first round with marquee offensive players starting to get picked in the middle of the round. In football, the best quarterbacks will go early, then the top runners and receivers. Look at your short list again: Who can you reasonably expect to get based on your draft position?

All this preparation should lead up to a

short list of five to seven guys that you have a great chance at acquiring. These guys will be the foundation of your team, so take a last look at them to make sure they're filling your most basic needs. For example, in a baseball draft you'd want that list to include your top two pitchers, your number three and four hitters, and your closer. After that, your picks should fill out your starting lineup and starting pitching before filling your bench.

# IONS of "Hats off to NovaLogic and

their technology - Armored Fist 3 really gets the adrenaline flowing!"

Jerry Wiedewitsch COL (Ret) Armor, CO 1-35 Armor - Desert Storm

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OVALOGIC - THE ART OF WAR"





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# CGW TIPS

Cheats, Hacks, & Hints

# Kingpin

some friends willing to take a bullet for you. The crowbar vendor in the opening scene is the first sucker you can hire, and while he has no chance against the gun-toting thugs by the stairs, he'll increase your chances of getting through the encounter alive. After that, you'll find most of your friends in bars. Hire all you can – it's by far the best use of your cash.

Codes Start the game with the command line "+developer 1" (i.e.,

"c:\Kingpin\kingpin.exe +developer 1").
Then use the "~" (tilda) key to bring
down the console during the game and
type the following codes:

# IMMORTAL ......God-mode NOCLIP ......No-clipping mode

Use the following commands with the GIVE variable (i.e., GIVE ALL, GIVE CASH, etc.):

Code	effect
ALL	Gives you all items
	(except cash).
CASH ###	Gives you ### dollars



# MS Baseball



To access bonus teams, click on Help then About... When the developer's splash screen appears, right-click twice on the word "Wizbang" on the second line of the copyright statement. Bonus teams include Robots, Microsoft and Wizbang.

# Midtown Madness Enter the following as your player name to unlock the respective cheat: Showme Cops.....Police displayed on the map. Big Bus Party .....All city bus traffic. Tiny Car .....All compact car traffic. Jet Planes .....All airplane traffic. vacompact.....Select the VW Bug in cruise mode to drive a VW Rabbit. vavan.....Select the Ford F350 in cruise mode to drive a van. valimo ......Select the Ford Mustang GT in cruise mode to drive a limo. vataxi ......Select the Cadillac in cruise mode to drive a yellow cab. vaboeing\_small .....Select the City Bus in cruise mode to drive a mini-jet.

# CODES

### F-22 LIGHTNING 3

While playing, press [ctrl]+[enter], enter any of the following (in all lower-case letters), then press [enter] after each one:

Code Effect	
Black oil	Refuel
fight the future	Replenish ammo
Ghostpit	Invisible plane
i want to believe	No crashes
the truth is out there	Unlimited ammo
	Repair damage
trust no one	God mode
the truth is out there this isnt happening	Unlimited amm Repair damage

# REQUIEM: AVENGING ANGE

Press [enter] for console, then enter one of the following:

In the second	C-77P-47S
Code	Effect
csmilton	Enable cheats
csyhwh	God-mode
csstigmata	All guns, ammo, health, essence, angelic powers and items
csrosary	All angelic powers
cshealth	Full health
csshroud	Full armor
csessence	Full essence
csitems	All items
csguns	All guns
csammo	Ammunition
cshost	No gravity (flight mode)
cswire	Wireframe level map
cshalt	Stops time
esvanish	Kills all enemies

#### SOUTH PARK

Press [esc] during game play and select Options. Click in the lower left corner and enter one of the following codes to activate the corresponding cheat function.

Code	Effect
EGOTRIP	Big enemy heads
BEEFCAKE	Invincibility
SWEET	All weapons with unlim-
	ited ammo

### **DELTA FORCE**

Press the "~" key to bring up the console, then type in these codes for the desired effect:

Code	Effect
lwillsurvive	God-mode
Raindropskeepf	allinonmyhead
	Call for artillery strike (5 shots). Can be re- entered for more
Takeittothelimit	Unlimited ammo
Closetoyou	Enemies do not see you
Letmego	Level selection

# FALCONS BEWARE: There's a NEW bird of prey on your tail.

# COMBAT

FLANKER 2.0 features stunning graphics and streamlined playability without compromising the technical excellence of its famous predecessor! Fly the Su-27 Flanker using a new 3D graphics engine and improved flight dynamics - or take off from the deck of Russia's Admiral Kuznetzov aircraft carrier in your new Su-33. From the **interactive training sessions** to the ultra-realistic flight model, this premier combat

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# **Heavy Gear**



f there is one thing that affects Gear power more than anything else, it's fire control. When modifying your Gear, always try to get a Fire Control rating of at least two, or even higher if you can get the Threat Value low enough. One way of doing this is to only take light weapons that fire rapidly and carry lots of ammo (such as autocannons).



Fire Control not only gives you valuable targeting information, but it also enhances the damage your weapons inflict. A Gear with a Fire Control rating of three with only a medium autocannon is significantly more lethal than a Gear with a Fire Control rating of zero or one who is equipped with heavy bazookas, guided mortars, and so on.

# Got a great tip for your favorite game? Want to see your personal

strategies in the pages of CGW? Want a cheap and meaningless prize? Just send your tips, tricks and strategies to cgw\_letters@zd.com (please put CGTIPS in the subject line) and we'll choose one entry each month. If we publish your entry, you'll get a fabulous\* prize pulled out of the infamous Computer Gaming World BozoBin!

\*Prizes won't actually be fabulous, more along the lines of crap we don't want anymore. Anyone sending in "nude raider" codes will be mocked relentlessly, once we've fully tested the code, of course.

f being a Black Talon is still too much for you, then you might f being a Black later is suit too index to. Jos., console by consider cheating outright. First, bring up the console by

	the "~" (tilda) key, then type either one of these hieve the desired effect.
Parte	Elland

set camti ......God-mode set mission .....Auto-complete mission

For more in-depth information, you can always check out the Game Guides on GameSpot. Here's a guide to the latest Guides.

#### KINGPIN

www.gameguides.com/guides/kingpin/

**DUNGEON KEEPER 2** 

www.gameguides.com/guides/dk2/

**NEED FOR SPEED: HIGH STAKES** 

www.videogames.com/features/psx/needspeed3hs gg/index.html

HOMEWORLD

www.gameguides.com/guides/hw/

FINAL FANTASY VIII

www.gameguides.com/guides/ff8/

## NFL BLITZ

On the Versus screen, press Turbo, Jump, and Pass to change the respective icons below the helmets. The numbers in the following list indicate the number of times each button is pressed and the direction in which the d-pad must be pressed to activate the code.

Code	Effect
2-5-0 Left	Fast passes
1-2-3 Left	Super field goals
5-0-0 Left	Turn off stadium
2-1-0 Up	No first downs
3-4-4 Up	No interceptions
1-5-1 Up	No punting
4-3-3 Up	Invisible
5-1-4 Up	Infinite turbo
0-4-5 Up	Super blitzing
2-3-3 Up	Power-up teammates
3-1-2 Up	Power-up offense
4-2-1 Up	Power-up defense
0-3-0 Down	Fog on
0-4-1 Down	Thick fog on
2-2-3 Right	Unlimited throw dis-
	tances
0-5-0 Right	Big football
3-1-0 Right	Team tiny players
1-4-1 Right	Team big players
2-0-3 Right	Team big head
4-0-4 Left	Power-up speed
4-2-3 Right	Super passing
2-2-2 Right	Night game
0-3-2 Left	Fast turbo running
3-2-1 Left	No head
1-2-3 Right	Headless team

Enter these codes during the game:

Code	Effect
MANTIS	Gives players elongated arms, legs and necks.
NHLKIDS	Makes players kid-size.
HOMEGOAL	Gives home team a goal.
AWAYGOAL	Gives away team a goal.
PENALTY	Causes a penalty.
INJURY	Causes an injury.
ZAMBO	Puts the zamboni on the ice.
VICTORY	Starts fireworks over the rink.
FLASH	Camera flashes from the stands.
SPOTS	Turns on the pre-game spotlights.
CHECK	Every player automati- cally body checks an opposing player to the ice upon contact.
GRAB	Similar to CHECK but with a stick hold instead of a check.



BRAVELY GOING WHERE NO GREEN PLASTIC SOLDIER HAS GONE BEFORE.





Real Combat. Plastic Men."













# INSIDE GAMING

INCIDE

# ACTION

# by Thierry Nguyen

# **Deathmatch Is Dead**

ust as Clint Eastwood's *Unforgiven* was the last great western, so will QUAKE III: ARENA be the last great deathmatch game. After Q3A, deathmatch can be safely declared dead.

Sure, there will be plenty of post-Q3A shooters that will include deathmatch, yet the very feature that made shooters

The Killer App for Shooters Has Run Out of Ammo

DEATHMATC

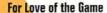
so successful is starting to wear thin.

Honestly, how many of you are living and breathing the deathmatch experience behind HALF-LIFE, SIN, SHOGO, or UNREAL? Who's salivating at the prospect of deathmatch in STAR TREK: ELITE FORCE, AMEN: THE AWAKENING, or even the infamous DAIKATANA?

Chances are, not a lot of you. It's a sign that deathmatch is rapidly being eclipsed by teamplay. Teamplay has always been around, even since the DOOM days when it was limited to co-op mode. When the QUAKE games came out, one of the first things to happen was the clan-phenomenon: people were unofficially dividing themselves into teams during deathmatch. The real catalyst was Robin Walker, John Cook, and Ian Caughley's creation of the TEAM FORTRESS mod for QUAKE. Due to its incredible success (at any given point, there were more TF servers than traditional

DM servers), designers started rethinking teamplay from the ground up. Then, Dynamix's STARSIEGE: TRIBES proved that a game with teamplay as its foundation could indeed be successful. What was once an

afterthought is now becoming the principal focus; if there was a trend in action design in this year's E3, it was teamplay.



Why is teamplay dethroning deathmatch?

Academics will say that humans tend to be social creatures; we can't help it. It's instinct to want to accomplish a goal with like-minded folk, rather than to take on the world single-handedly.

If you don't trust academia, then take a good look at popular culture, specifically the enormous popularity of team over solo sports.

# CGW: A Case Study in Teamplay Dominance

n what could be considered an omen for the whole "print vs. web" debate, the CGW staff had a friendly game of QSATEST with our online brethren over at GameSpot. It seemed to be GameSpot's lucky day, as their staff - supprisingly - had the high scores for the match.

their staff — surprisingly — had the high scores for the match.

Then again, we've already embraced the teamplay phenomenon with frequent games of STARSIEGE: TRIBES and TEAM FORTRESS CLASSIC. We're so focused on teamplay that our deathmatch skills have suffered. That's our story. Think of us as poster children for teamplay design. If we had a team match against GameSpot....

# **Jumping off Q3A**

At press time, one of id Software's level designers, Brandon James (better known as "Killme" within the online community) abruptly left the company. James is probably best known for designing "The Longest Yard," the infamous jump-pad level in Q3ATEST. James wouldn't comment on why he departed, but Paul Jaquays (a fellow designer) posted to a message board saying that James left of his own accord, and wasn't fired. As for development, Jaquays said that James' remaining maps and responsibilities would be divided among the rest of the team. It's the second major blow to id, following the departure of Brian Hook to Verant.

# **Everyone Can Hear You Save**

Alter vehemently defending the lack of an in-game save, Fox Interactive and Rebellion finally caved in to public pressure and released a patch for ALIENS VS. PREDATOR that includes in-game saves (it's also on our CD to save you some download time). But before you pat yourself on the back for another victory against The Man, be aware that the patch allows only a limited number of saves per level, depending on what difficulty you're playing. Then again, something is better than nothing, and Fox should be applauded for finally listening to their customers, even though the result is less than perfect.

People identify with sports teams, whether it's because of ideology, geography, acquaintance—or due to the simple fact that most of us know what it's like to work with others to achieve common goals. Track-and-field's focus on the individual hampers its popularity (except during the Olympics, when the athlete is working for the ultimate team—their country), while the Super Bowl and the World Cup are two of the most revered events in sports. How do I explain golf, then? Frankly, I don't think anyone can.

I don't think anyone can. I'll put myself on the line and say that by this time next year, the prospect of deathmatch play will excite no one. There's just too many titles in the pipeline that are tapping into our basic love of teamplay, and deathmatch will be relegated to an occasional break, rather than remain a productivitykiller. With titles like TEAM FORTRESS II. TRIBES 2 and one game I'm still not allowed to talk about coming out this year (stay tuned next month), Q3A will be deathmatch's chance to go out with a bang, rather than a whimper. 337 **INTERMIPLAY** 

INSIDE

# **RPG / ADVENTURE**

by Desslock

# **Breaking the Rules**

Sheriff Brody snarled defiance at the awesome denizen of the deep bearing down upon him. "Smile, you son-of-a...." Brody screeched as he fired his rifle and exploded the air tank perched within the Great White's gaping maw, blasting the beast to a watery grave. —Peter Benchley, Jaws

nyone who read Peter Benchley's pulp classic knows that director Steven Spielberg took a few creative liberties with the author's work. While Benchley labeled Spielberg's flashy end-

# On the Woes of Translating Penand-Paper RPGS

ing "ridiculous," the movie became the biggest box office success of its time. Apparently there's at least commercial justification for making changes when crafting a movie adaptation of a book. What works well on the page doesn't necessarily work best in a visual medium.

So what changes are justified when a computer game developer adapts a pen-and-paper role-playing game? Even the most hardcore RPG ideo-

logues would admit that some changes are inevitable due to technology limitations. The most formidable computers available today still can't create a malleable and non-linear milieu as well as an experienced, creative, and suitably demented game master.

But what about rules that could be put into a computer game, but would rarely be used or appreciated by gamers, such as AD&D's religious tithes, or the stats for dozens of obscure medieval weapons, such as vouges and glaives? It's understandable that most developers include only those features relevant to the game they present, rather than shallowly trying to include all the expansive rules of a gaming system.

Adaptations should also emphasize the strengths of the new medium and avoid the limitations of the old. A film adaptation of a play shouldn't needlessly restrict its setting to a handful of rooms. Similarly, a computer RPG shouldn't hesitate to rely on visual cues, as opposed to statistical abstractions. For example, AD&D relies upon dice rolls, or saving throws, to simulate a character's ability to dodge spells. The BALDUR'S GATE expansion pack didn't banish AD&D's saving throw system, but it allowed characters to dodge spells by moving out of the targeted area. Those types of changes enhance gameplay by adding features impossible to implement in a tabletop game.

But game developers often make rule changes simply because they feel that aspects of the original game aren't balanced, or just don't work well. While I feel some sympathy for game designers, who are typically too creative to want to rigidly adapt a system without adding their own embell-ishments, those are the kinds of changes I feel should be minimized.

Veteran AD&D players know that certain character classes are initially more powerful than others, and that some spells, items and abilities are so powerful that they occasionally unbalance the game. But that's part of the charm of a system that's been successful for over 20 years.

I want "hold person" spells that take powerful enemies out of a fight; I want to feel threatened by the level-draining abilities of undead creatures; I want my thief character to be able to use a ring of invisibility to clear out a dungeon single-handedly. Even though developers are trying to reach a broader audience than hardcore RPG fans, they should do so by offering compelling gaming worlds and stories and intuitive interfaces, instead of second-guessing the decisions made by a game's original designers. Give us faithful adaptations, and only make changes when they are necessary or enhance a game in ways previously impossible. Anyway....Spielberg's ending was ridiculous.

For the latest RPG news and comprehensive strategy guides, development team interviews, previews and other features, check out Desslock's RPG News at <u>desslock.gamespot.com</u>.

# **AD&Daptations**

How faithful should a designer be when adapting a paper RPG to a computer game? We went straight to the source to get a few different viewpoints.

## PLANESCAPE: TORMENT

Chris Avellone, Designer: "Changes should be made to the pen-and-paper rules when the rules don't follow any sort of programming logic. The AD&D spell



system has a number of spells and items that are hard to quantify. Try to sit down with a programmer and explain how the combinations of rings of protection, magic armor, bracers of defense are supposed

to work when someone is wearing all of them, and you'll both be driven mad within minutes. Basically, you pick and choose what is implementable or not, and try to keep the flavor of the pen-and-paper game as much as possible."

#### BALDUR'S GATE: TALES OF THE SWORD COAST

Ben Smedstad, Producer: "[Follow the rules] as closely as possible without sacrificing gameplay, which is more or less what we did with BALDUR'S GATE. We followed the rules 'to the letter' and only strayed when the game mechanics were not adequate or when a spell, for example, seemed to be too powerful and/or unbalanced. With a limited time frame in which to work, you can never put everything you want into a game's programming, design, or art. As soon as you vary the rules from the original game, you [jeopardize] the balance that its developers worked so hard to maintain. It is up to the designer of the computer RPG to maintain gameplay balance while still being able to make a fun and interesting game setting for nlavers."

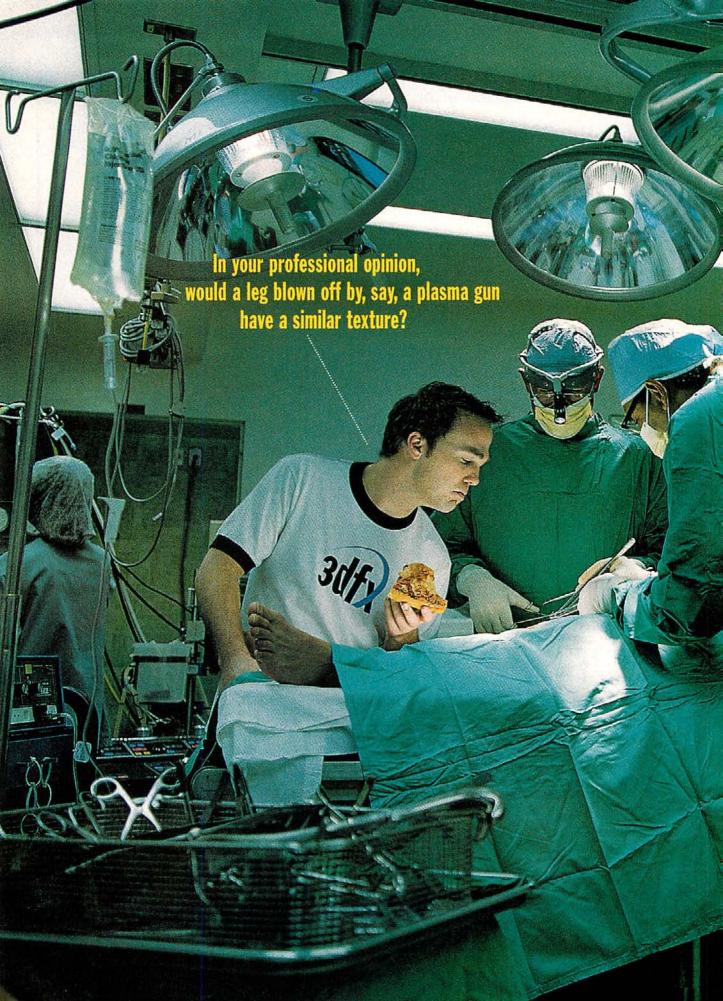
### **VAMPIRE THE MASQUERADE: REDEMPTION**

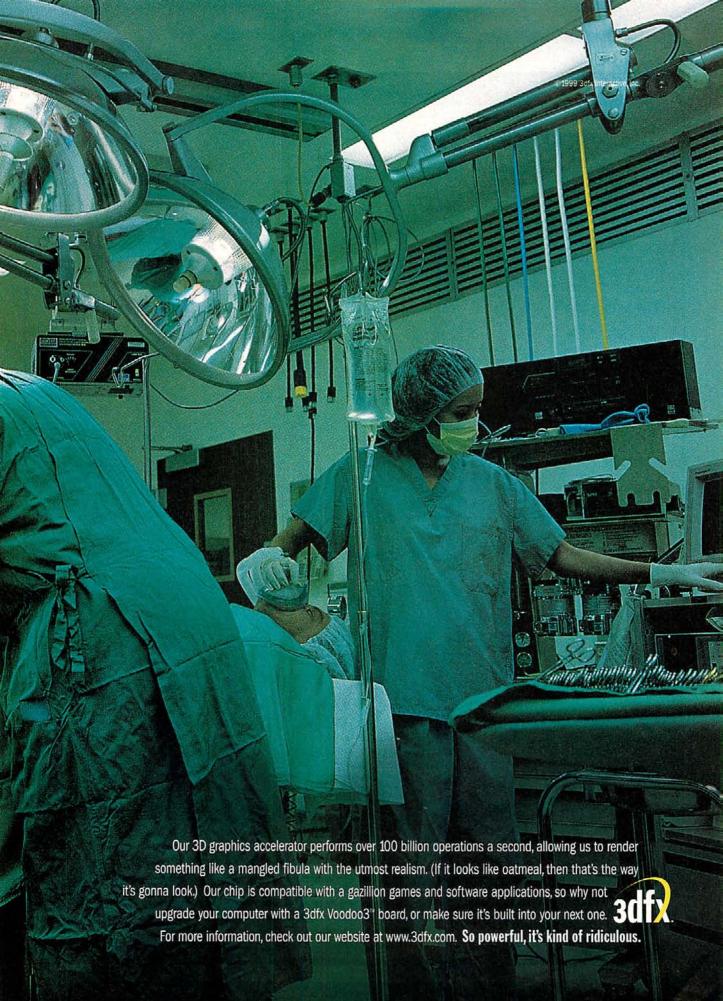
Ray Gresko, Producer: "Obviously the most important aspects that define a license are the back-



ground/world and the game mechanics. The 'world' of the license is the most sacred, and the designer should be devoted to a faithful representation. Whether the core mechanics transfer is dependent upon the

type of game you're doing, but a computer RPG based upon a paper RPG should do its best to be true to the license's inner workings. Any good RPG will have a fine rules balance that can be upset dramatically if you start tinkering around too much with it.





INSIDE

# **SPORTS**

# by George Jones

# The Perfect Sports Game?

Only three PC sports games have ever gotten it absolutely, totally, 100% right:

1. GBA CHAMPIONSHIP BASKETBALL (Gamestar, 1986) Full court two-on-two basketball action with season play.

2. FRONT PAGE SPORTS: FOOTBALL PRO (Dynamix, 1992) The first great PC football game. Boasted amazing graphics for its time and a career play mode with rookie drafts.

3. HIGH HEAT BASEBALL 2000 (3DO, 1999) Because it stays true to the game while playing up the most enjoyable aspects. And because I'm winning the CGW league.

The difference in the success of console sports games when compared to their PC counterparts is dramatic. The common element running through my top three is season play. This has been the strength of the PC sports game for years. But when you combine the PC platform's strengths around season play with the console platform's strength—human opponents at your side—magical things happen. I still remember the fanatical devotion to SNK's BASEBALL STARS for the Nintendo my friends and I had in college, and I see the crowd of CGW editors that gather whenever a league game of HIGH HEAT 2000 is under way.

So when are we going to see the holy grail of sports games—the game that takes season play and places it into an Internet environment where you can play in a league online against human beings?

From the sound of things, it's only a matter of time. I had a chance to talk to John Vifian.

Executive Producer of MADDEN

FOOTBALL, and Marsh Gardiner, producer of several Fox Sports Interactive titles, about this topic. I came away from the discussions with the belief that PC sports game designers are ready to embrace the future.

The difference in the success of console sports games when compared to their PC counterparts is dramatic. In 1998, four sports games were among the top 30 console games sold. On the PC side, the number of sports titles on the list was zilch.

This discrepancy can be chalked up to one primary dynamic: human interaction. You could play NHL HOCKEY on the Sega Genesis for hours at a time because, in most cases, you were playing against a friend. This type of social dynamic is hard to find on the PC. "With console games, you and your friends can gather in the living room," says Marsh Gardiner. "It's been hard enough to connect two controllers to a PC, and Internet bandwidth just isn't there yet."

But the bandwidth will get there, probably in the next five years. In John Vifian's mind, "Online play is a given. The next step is a community on the Net that is all about the gaming experience, including stats, stories, and match-making."

Does this mean you'll eventually play in 22-player football games that let you play as a lineman? Probably not. "It would be extremely challenging to make the parts of the game that don't involve the ball fun," Gardiner argues.

But, assuming that bandwidth gets there, multiplayer games that featured human-controlled receivers, quarterbacks, and running backs could work. If the team approach works for games like TRIBES and TEAM FORTRESS, why not

Whenever the next great game arrives, you can be sure that excellent gameplay will lie at its core. "The perfect game would still have to require jaw-dropping graphics, accessibili-

ty, and depth of play." Vifian reminded me.
"And that alone is no small order."

# Hitting Logic

he CGW baseball season has resulted in more excuse-making and abuses of logic than a presidential campaign. The successful hitters among us argue that it's all skill, while the .220 hitters in our group argue that when Sammy Sosa grounds into a double play yet again, it's not their fault. But it begs a bigger question. How do baseball games calculate play results? Michael Roca, a HIGH HEAT 2000 programmer demystified his game's batting voodoo for us.

"In HIGH HEAT 2000, the results of a hit pitch can be boiled down to a few simple steps.

First, we measure whether a swing is going to make contact with the basehall. Since it wouldn't be fair to place the bat at very specific coordinates in space—this would make hitting way too hard—we use a zonal approach. It's almost like you're swinging a tennis racket through the zone you select. From here we determine three things. First, we check how good your timing was, which is based mostly on your reflexes. Second, we measure how good



the contact is on the ball, which depends partially on your skills and partially on the pitcher's and batter's. Finally we measure how hard the ball is hit, which is almost solely based on the batter's statistical abilities.

Sammy Sosa in Red Sox garb? ... Yep

"Complicating matters a little bit, each pitcher has various ratings for certain pitches that will affect the kind of contact a batter is capable of making with each pitch he throws. It's almost as if a pitched ball has properties attached to it. So a Randy Johnson fastball is extremely hard to make good solid contact with. But, given its high velocity, if you do connect with one, you have a higher chance of hitting a homer.

"The bottom line is this," Roca finished up. "If you do everything right, and the pitch is hittable, you will probably get a hit. The only exception would be in cases when a Clemens faces a backup catcher."

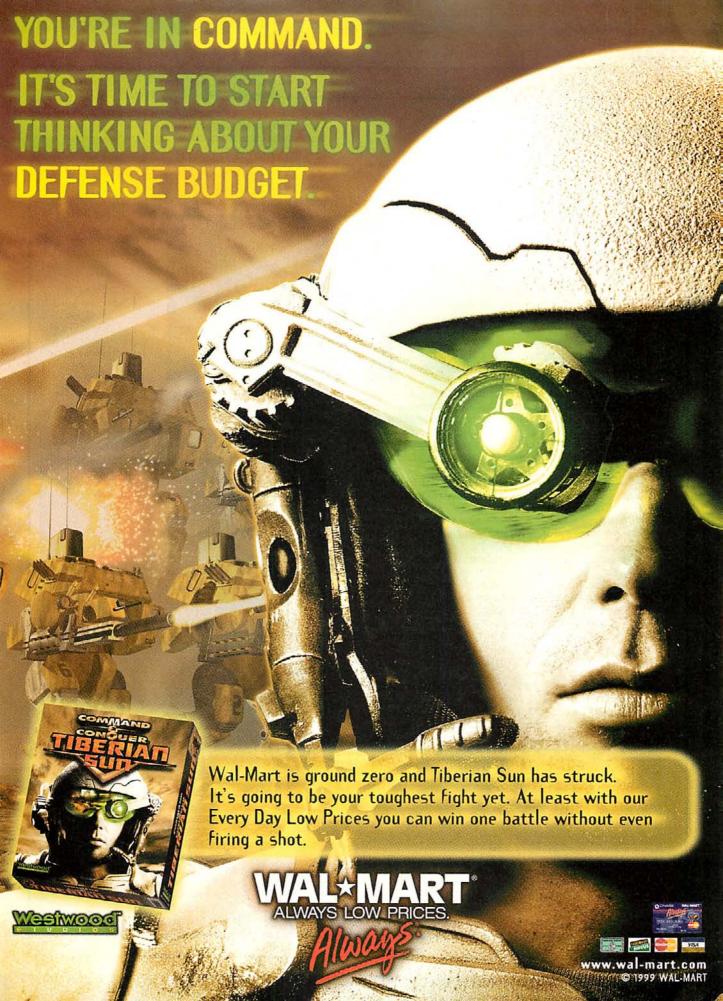
# CGW Baseball League

uick results from the CGW HIGH HEAT 2000 baseball league: While holding off staff mutiny, George Jones' Boston Red Sox sat on top of the standings with a stunning .889 winning percentage. Fighting for second place in the AL East, each with records that would put them in the lead in the AL Central, were Robert Coffey's Yankees and Steve Wanczyk's Baltimore Orioles. The AL central, otherwise known as the Homerun Derby, featured a tight race going into the mid-summer months of the season, with Jeff Green's White Sox, Dave Salvator's Indians, and Tom Price's

Tigers all within a single game in the standings. The most stunning event of the still young season:

Steve's Orioles lost Ken Griffey, Jr. for 30 days. Wow, rough luck, Steve. We feel for you, big guy.

220



# RATEGY

# by Robert Coffey

# Stop Making Sense...

imple goals. Simple means. Complex options. These are the building blocks of successful strategy games. If the game looks good and offers something new, that's even better. But the fact is, if gamers have to bend over back-

ward to understand a game because it's loaded

...And You Start Losing **Gamers** 

with too many "features" or is just flat-out obscure, then, with few exceptions, the game loses out in the marketplace. Even if it

### Reinventing the Wheel

No matter how steep the learning curve, if there aren't hand-holds along the way, the game is going to lose players as they skid helplessly down that curve. Even a legendary designer like Sid Meier can fall victim to this-just take a look at ALPHA CENTAURI.

As deep and challenging as CIVILIZATION II, ALPHA CENTAURI is an intimidating package, even though it successfully alleviates much of the micromanagement of its unofficial predecessor. A huge part of CIV's appeal is how incredibly accessible it is-pretty much any goon on the street can tell you what inventing the wheel is all about. But what the hell is nerve stapling? Or the Gaia Project? Profoundly nonintuitive, ALPHA CENTAURI forces gamers to tack the tech tree up on their walls while reading the manual with a Sidspeak-to-English dictionary.

Gaming shouldn't be work, and our own polls seem to bear that out. Since its February release, ALPHA CENTAURI hasn't even managed to crack the CGW Top 100 list, a list compiled from the input of the very core gamers targeted by the game. While it's too early to give sales figures a lot of weight, it's worth noting that ALPHA CENTAURI released strongly-hitting #2 in PC Data's sales chart for February-but then dropped sharply in its third month of release, barely exceeding those of the over-a-year-old STARCRAFT. Of equal interest is that the inferior CIV sequel, CIVILIZATION: CALL TO POWER appears on track to match ALPHA CENTAURI in number of units sold.

#### Focus!

Does this mean the gobbledygook that's part and parcel of science-fiction games prevents them from succeeding? Of course not-look at STARCRAFT. In STARCRAFT, mixed in with the Mutalisks, Dark Templars, and Corsairs, is the very straightforward concept of "Wipe out the other guy." While

there are tons of strategic options and choices to be made in any STARCRAFT game, its tight conceptual focus is easily grasped and makes the game tremendous-

ly accessible in spite of the overwhelming alienness of the units. It's the same clear-cut gameplay design that keeps the fantasy trappings of the HEROES OF MIGHT AND MAGIC series

from crippling it-play for 10 minutes and you'll have a pretty good grasp of what needs to be done, if not the minutiae of gameplay.

Sadly, it seems that some developers seem intent on muddying their focus by obscuring their game with too many features that don't directly help gamers play the

damn game. It's the Death-by-menu-buttons syndrome that whacked GANGSTERS and worries me about BRAVEHEART. Conversely, the slew of AI features promised in CONQUEST: FRONTIER WARS has me excited simply because they offer a better way to play the game, a way that simply makes sense. ACC



# HOMEWORLD BOUND

e got our hands on some beta builds of Sierra Studios/Relic's much-anticipated HOMEWORLD and took them for a multiplayer spin. The game is still gorgeous and creates a mood unlike any other game. And it emphasizes the kind of spatial thinking that Khan from Star Trek: The Wrath of Khan lacked. We have some concerns, though, as a lot of the game is spent on a far-out radar view, where your beautiful ships become mere dots on a 3D plane. Also, the multiplayer pace is on the slow side; we'd sit and construct our fleets for a long time, and then have to hunt opponents in the large 3D space arenas before ever seeing

any action. We still have faith in Relic and in the singleplayer game, but as of now, multiplayer HOMEWORLD seems a bit plodding. Perhaps we just need to lay off the coffee.



# <sup>P</sup>utting Time Into Real Time

t would seem that making time pass in a real-time strategy game would be a no-brainer: Time's going to pass while gamers play, so that should take care of it. But the actual mechanics of time in a realtime title are more complicated than that, since designers have to juggle little issues like game balance and playability.

Take DUNGEON KEEPER 2, for instance. Underneath the continuous stream of onscreen activity is a counter-based system chugging along, allowing the designers to ensure that things happen at an appropriate pace.

Certain game events are set to occur after so many "ticks" of this internal clock; this approach also allows the game to determine unit abilities (100 ticks to research a new spell for a first-level warlock, just 50 ticks at fifth level), how deep into a mission you must go before enemies begin breaching your dungeon, and

Along with giving the designers more flexibility in game design and balance, the big payoff is for the gamer: by not using the CPU's internal clock to keep time, gamers with slow machines will still have appropriately paced games.



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#### INSIDE

# **SIMULATION & SPACE**

# **Playing Favorites**

Berg and I'll be taking over the flight sim column here at CGW. It won't be easy following the likes of my predecessor, Denny Atkin. After all, I'm a huge fan of his and know what a wonderful job he has done. So why me? Well, I got my start covering flight sim newsgroups on the Internet for Gamepen.com ("Flight Sim Therapy"), and here

Our New Sim Guy Takes His Virgin Flight at CGW there must be a minimum quota of writers with beards at all times. To help you get to know me a little better, the editors at CGW thought my first article should be about my favorite sims. So, without further ado...

RED BARON: Ah, the sim that started it all for me. In fact, Dynamix's RED

BARON (1990) was why I bought my very first computer, a 486/33. The graphics at the time were amazing, the missions were truly random, and the flight models were realistic enough so that tactics mattered. There was also the discovery of multiplayer RED BARON on The Sierra/Imagination Network. My life has not been the same since.

Trivia note: RED BARON creator Damon Slye took a sabbatical of sorts after ACES OVER EUROPE. He finished school, attained his pilot's license, and gained an expert rating in chess. He currently has plans to come back this Fall and start work on a new game (make it a flight-sim, Damon).

WARBIRDS: Bar none the best multiplayer dogfighting on the Internet today, this sim is where I often spend my free time. None of the recent retail WWII sims on the market hold a candle to WARBIRDS when it comes to flight modeling. Put 250+ players in the Main Arena with great lag code and consistent updates, and you have one hell of a good time. Although not perfect (drag at low speed is way too forgiving and don't even get me started on proper six views), WARBIRDS is premium value for your entertainment dollar.

Did you know: Offline AI has been introduced with the latest version (v2.7) of WARBIRDS. Now you can simulate the chaos of the Main Arena for free!

LONGBOW 2: I never got to experience the joy of the original Longbow or the critically acclaimed FLASH POINT KOREA add-on—my computer back then simply refused to run it. By the time I had a system up to the task, LONGBOW 2 had arrived and opened up a whole other world for me. It had nice tutorials, was accessible to both beginner and expert alike, and offered a dynamic campaign that allowed for cooperative multiplay, a feat accomplished by few sims since.

Easter Egg: Type iwannasee during the end credits and see some interesting "comments."

RED BARON 3D: Hang on, didn't I already mention an earlier RED BARON product? Isn't that cheating? Maybe, yet I'm still flying RB3D to this day, not the original one. Yes, the AI is barely adequate and the flight models found in the final patch are questionable, but God help me, I love this sim. The campaigns are varied and fun, the dogfights are tense, and RB3D does a great job at conveying a "you are there" feeling. Better still are the endless user hacks that continually breathe new life into this aging product.

About those hacks: Denny mentioned how you can change the graphics in the August CGW, but there's more. Check out Sygrod's page at <a href="https://home.golden.net/-ksharman/tb/Main.html">https://home.golden.net/-ksharman/tb/Main.html</a>.

Now, I realize at this point that some of you are asking,

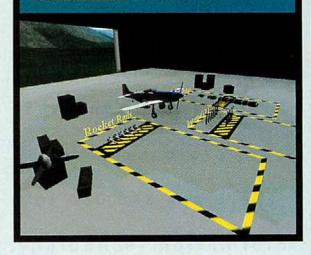
# On the Radar: ACES HIGH

CES HIGH, the new **WWII** online simulator from WARBIRDS creator Dale "HiTech" Addink, should be in open beta by the time you read this. This time around Addink is insisting on no distractions (can you say RAIDER WARS?), and has committed the next three years towards bringing more of a "real world" experience to the flight sim enthusiast. Says Addink, "It's the development of the little nuances that will make big differences between ACES HIGH and other games." ACES





HIGH plans to incorporate more user interfaces within a 3D environment; a new communication scheme; greater scalability; and fewer game limitations than those found in previous efforts. Point your browser to www.hitechcreations.com to check it out.



"Where are the jets?" I'm not saying I'm not a fan of modern air combat, I'm just not listing any in my top picks. I love the idea of FALCON 4 and hope it one day truly becomes all that it can be. I found JANE'S F-15 a bit too realistic for my taste (missions were a little long), but I loved its atmosphere and flight model. I'm also eagerly looking forward to the upcoming JANE'S A-10.

Nonetheless, I'll admit that shooting at my opponent with guns instead of missiles is what excites me most; not because I abhor modern weapons, but because I enjoy the thrill of earning that spot behind their six.

When not engaged in aerial maneuvers, Gordon Berg works as a network administrator for a non-profit social services organization.

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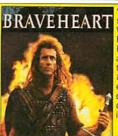
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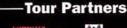
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COMPANY	PRODUCT - CONTROL OF THE PRODUCT - CONTROL OF	PAGE
3DFX	Voodoo 3	228-229
3D0	Army Men III	225
3D0	Heroes III Expansion Pack	187
300	Crusaders	79
Acclaim	Revolt	86-87
Acclaim Activision	Trickstyle	108-109
Activision	Quake III Arena Soldier of Fortune	14-15
Activision	Vampire & Battlezone II	60-61 C2-C4.1
Aureal Semiconductor	A3D	18-19
Berkeley Systems	You Don't Know Jack: Offline	12
Blizzard Entertainment	Diablo II	4-5
Chips & Bits	www.cdmag.com/chips.html	236-237
Cisco Systems	Networker Academies	233
Columbia House	Mail Order	175
Council on Computing Power Data Becker	Council on Computing Power	197
Dell Computer Corporation	KO Dimension Desktops and Inspiron Notebooks	83
EA Sports	NHL 2000	C5-C8 50-51
EA Sports	Madden 2000	124-125
Eidos Interactive	Abomination	97-103
Eidos Interactive	Braveheart	40-41
Eidos Interactive	Cutthroats	114-115
Eidos Interactive	Eldos Interactive	10
Eidos Interactive	Omikron	33-35
Eidos Interactive Eidos Interactive	Urban Chaos	53-55
Eidos Interactive	Thief Gold: The Dark Project Revenant	36-37
Eidos Interactive	Tomb Raider: The Last Revelation	20-21 38-39
Eldos Interactive	Daikatana	42-43
Electronic Arts	System Shock	94-95
Electronic Arts	USAF	65-67
ELSA	3D Graphics	201
Falcon-Northwest	Mach V	199
Fox Interactive	NHL 2000	27
Gathering of Developers	Darkstone	156-157
Gathering of Developers Gathering of Developers	Age of Wonders	146-147
Gravis	Nocturne Game Controller	70-71
GT Interactive	Driver	106-107
GT Interactive	Wheel of Time	144-145 166-167
GT Interactive	Unreal Tournament	192-193
Hasbro/Microprose	MechWarrior 3 "Meltdown"	150-151
Hypersonic	Hypersonic PC	203
Infograms	Slave Zero	81
Infograms	Silver	168-169
Infograms	Independence War Deluxe	113
Infograms Interplay	Outcast	184-185
Interplay	Torment Messiah	2-3
Interplay	Affinity Program	6-7 31
Interplay	Invictus	212-213
Interplay	Freespace 2	171-173
Interplay	Star Trek Series	131-137
LucasArts Entertainment Company	Racer	8-9
Microsoft	Age of Empires II	16-17
Microsoft	Flight Simulator	77
Mindscape Home Entertainment Monolith	Chessmaster	191
Monolith	Odium	129
Motorsims	Septerra Core Superbike	189
NovaLogic	Tachyon	73-75
NovaLogic	Armored Fist 3	28-29 221
NovaLogic	Delta Force 2	57
NVIDIA	3D Graphics	205
Psygnosis	Panzer Elite	138
Razer	Mice	48-49
Red Orb Entertainment	Prince of Persia	152-153
Red Storm Entertainment Red Storm Entertainment	Force 21	217
SegaSoft Networks, Inc	Rogue Spear Heat.Net	85
Sierra	Pharoah	64
Sierra	Half-Life Opposing Force	140-142
Sierra	Homeworld	176-177 24-25
Slerra	Swat 3: Close Quarters Battle	182-183
Imon & Schuster	Mab Rule	105
Strategic Simulations, Inc.	Reach for the Stars	218-219
strategic Simulations, Inc.	Panzer General Assault	215
trategic Simulations, Inc.	Silent Hunter II	164-165
Strategic Simulations, Inc.	Flanker 2.0	223
ymantec	Disciples  Marten System Works	102
alonsoft	Norton System Works Jagged Alliance 2	159-162
HQ	Sinistar	22 181
otal Entertainment Network	PGL	100
bi Soft Entertainment	Amerzone	88-89
Val-Mart	Tiberian Sun	231
Vestwood Studios	Nox	117-122
	Command & Conquer: Renegade	58-59
Vestwood Studios amaha Corporation of America	Speakers	

# I Got The Scoop!

My World Exclusive Preview of the Greatest Game of All Time

t's not often in life that you get a chance to knock on the door of genius. But that's what was going to happen to me, quite literally, when—with a mixture of pride, trepidation, and a sweaty back-I traveled to the home of legendary game designer Sid Meier for my exclusive hands-on world-premiere scoop of the new CIVILIZATION game. Unfortunately, as it turns out, I wrote the address down incorrectly, and when I knocked on the door of what I thought was Sid's house-located under a freeway, with a dismembered tractor on the front lawn-a very scary-looking man in a blood-stained undershirt pointed his shotgun and Rottweiler at me and asked me to get off his property.

Undeterred by this minor setback, I returned home and began working on Plan B. This, unfortunately, never

materialized.

Plan C, however, was a doozy, and would almost undoubtedly have reaped a slew of international journalism awards and fawning nekkid female groupies; but in another frustrating setback, I was unable to convince the rather uptight (I must say) Powers That Be around here that breaking into the Firaxis office and stealing all their equipment was the right

In any case, it's now 3:00 a.m., the story is due tomorrow morning, and I still have nothing. Our new managing editor, Chris Lombardi, kind of scares me. What if he hits me? I could sue, of course, but would it be worth the pain? I don't want to find out. No, I must simply turn in a CIVILIZATION scoop—no matter the cost.

And so, dear reader, I present you with Plan D.

he next game in the legendary, award-winning CIVILIZATION series, as I envision it, is going to be the best one yet. Though it's hard to guess exactly what they have in mind, I think it's safe to say that the new game will remain faithful to the franchise, while branching out in bold new directions.

To appeal to many different kinds of gamers, it will probably incorporate a number of exciting new modes. The ability to switch from the standard isometric perspective to a fully 3D first-person perspective will be key, of course. Now, not only will you have the ability to build civilizations, but you'll be able to actually walk around and live in them as well. Running out of food at your granary? Well, now you can switch to first-person mode, pick up a fully interactive wheelbarrow, and grab yourself some hearty grain!

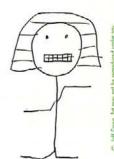
First-person mode will be even more meaningful in light of some of the game's new units and buildings. The brothel, for example, key to any successful civilization, will be a fully functioning environment made even more realistic by the expected support for Thrustmaster's

unannounced (another scoop!) teledildonics peripheral.

As far as new units go, you can definitely expect to see some. Shown on this page, in a world-premiere exclusive scan, is a stick figure sketch of the Egyptian Guy, which I drew based on my concept of what the unit, if I could convince Sid to include it in the game, might look like. Other cool units are no doubt in the planning stages.

Although the singleplayer game will be as robust as ever, the expected massively multi-

player component is, of course, the feature that many gamers are anticipating the most. Imagine logging into an online CIV game and being part of a functioning civi-



# Our new managing editor, Chris Lombardi, kind of scares me...No, I must simply turn in a CIVILIZATION scoop - no matter the cost. 69

lization, a single unit, without the pressure of doing it all yourself. As your civilization evolves, so will you. Thus, a food gatherer in the Stone Age becomes a serf in the Feudal Age, an indentured servant in Colonial times, and finally, a cubicle worker in the Modern Era, complete with unfiltered air and flickering, cancer-inducing fluorescent lighting. Now, you'll be able to sit in your office at your real job, and play your online job while ignoring your real job. Maybe you'll even be able to get your online "boss" to yell at you too! Just kidding!

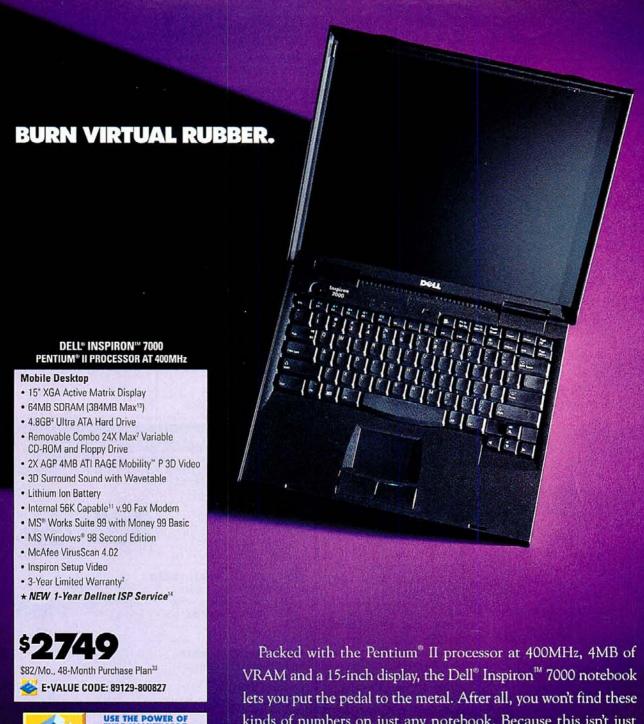
Of course, all this gaming goodness will come at a price. The expected minimum system is a Pentium 500 with the as-yet-announced Voodoo 4 chip with 300MB RAM, though the company is likely to announce that it will be possible to play it on a 286 machine in DOS.

As you can see, the new CIVILIZATION game is already shaping up to be one of the monster gaming hits of the next year. I'll be keeping you up-to-date on this project as it develops, including some hands-on exclusive beta-testing, assuming I still have a job.

I am literally foaming at the mouth in anticipation!

What Jeff doesn't realize is that interactive brothels go all the way back to 1985's SIMGONORRHEA. Give him the clap at jeff\_green@zd.com.

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- Turtle Beach Montego II A3D" 320V Sound Card
- NEW ACS-340 Speakers with Subwoofer
- 3Com® USR V. 90<sup>th</sup> PCI Telephony WinModem
- 100MB lomega Zip BUILT-IN Drive
- MS Natural Keyboard Elite
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- Internal 56K Capable<sup>11</sup> V.90 Fax Modem
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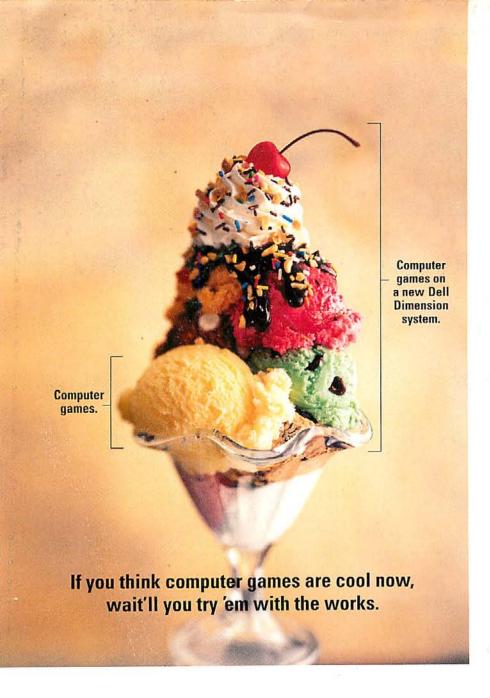
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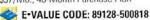
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- 40X Max<sup>5</sup> Variable CD-ROM Drive
- Turtle Beach Montego II A3D™ 320V Sound Card
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